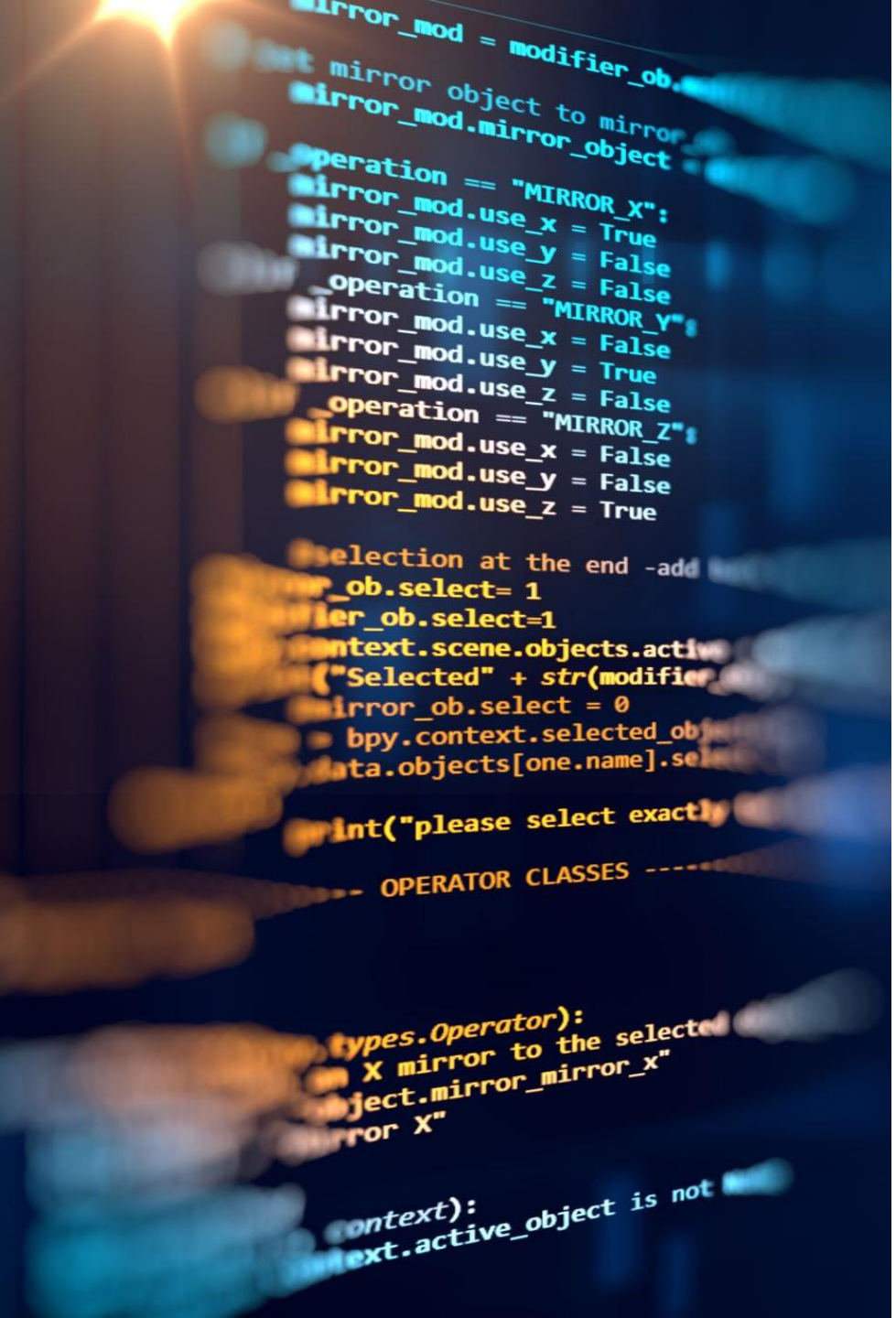


New Gen Cyber Crimes!

Dr. Ananth Prabhu G

BE, MBA, MTech, DCL, PhD, Post Doctoral Fellow

Professor & Principal Investigator- Cyber Sec and Digital Forensics CoE, Sahyadri

Cyber Law Trainer- Karnataka Judicial Academy

Cyber Security Trainer- Karnataka Police Academy

Director- SUREPASS Academy

DISCLAIMER

Any Views or opinions presented in this presentation are solely mine.

- I am not a lawyer or giving you legal advice
- I am not giving you permission or authorizing you to do anything ever.
- Always seek permission from CISO/Head before doing anything in your official laptop
- Follow company policies
- In fact don't do anything ever

1st Gen

1980s

Viruses

2nd Gen

1990s

Network Threats

3rd Gen

2000s

Application Threats

4th Gen

2010s

Payloads

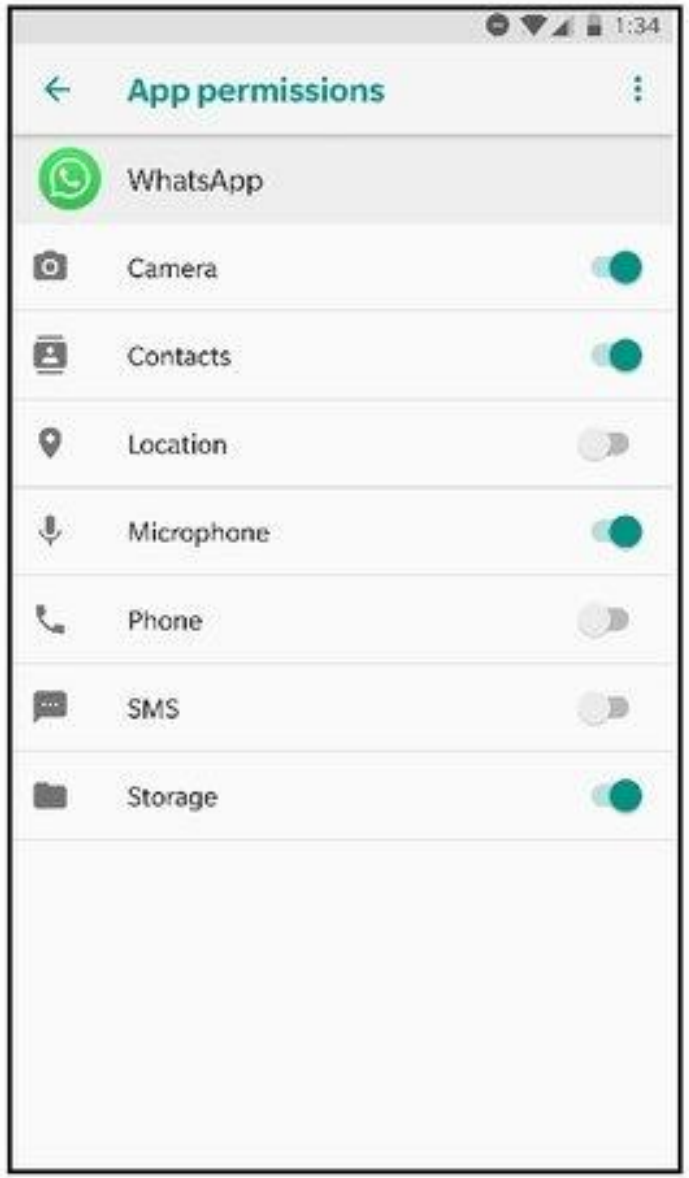
5th Gen

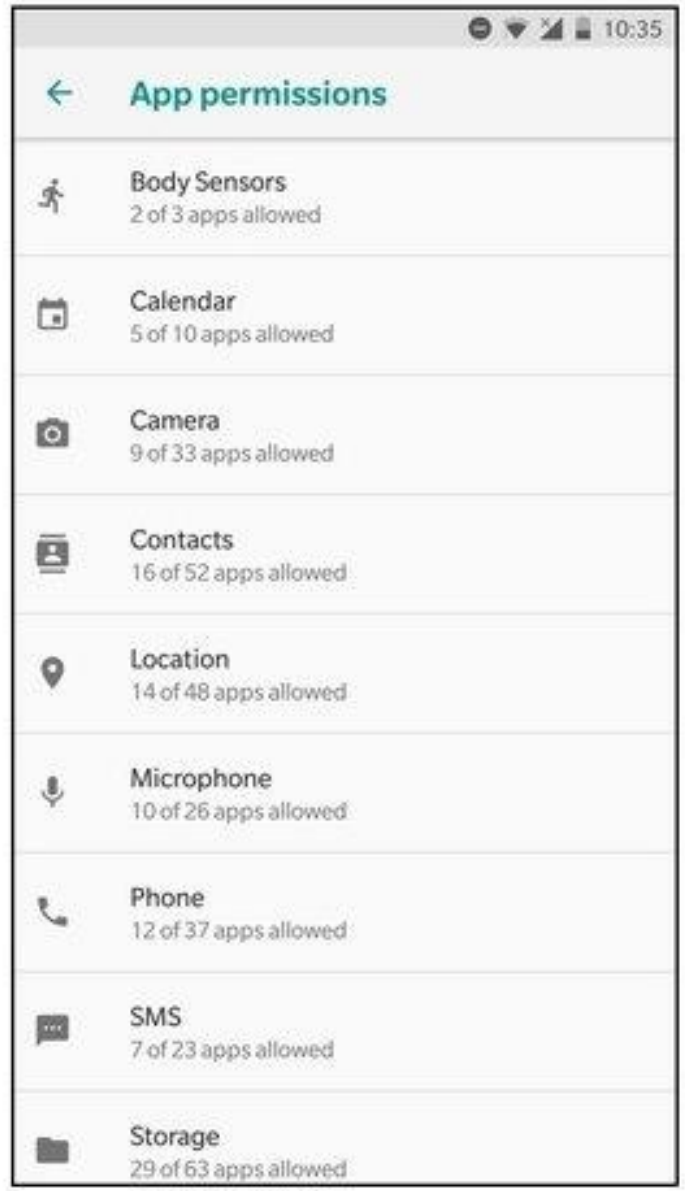
Present

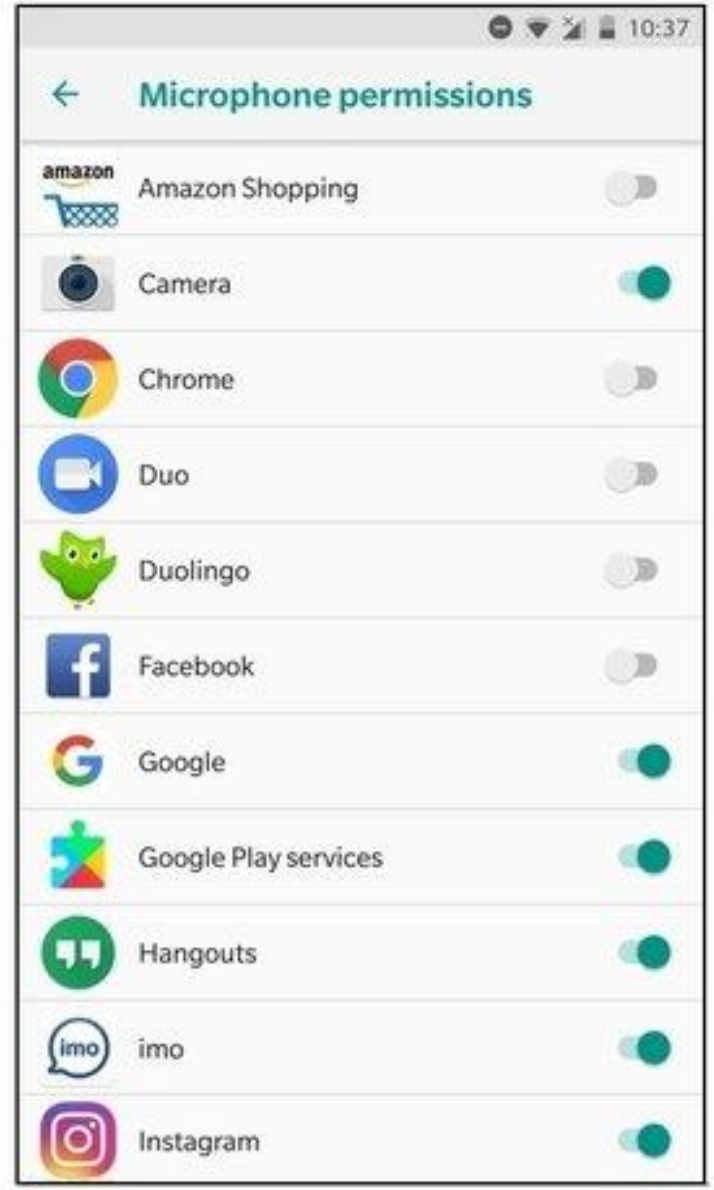
Mega Threats

MY FATHER
WAS KILLED
BY NINJAS.
NEED MONEY FOR
KARATE LESSONS

INSTANT PERSONAL LOAN APPS IN INDIA


1:34
App permissions
WhatsApp
Camera
Contacts
Location
Microphone
Phone
SMS
Storage


10:35
App permissions
Body Sensors
2 of 3 apps allowed
Calendar
5 of 10 apps allowed
Camera
9 of 33 apps allowed
Contacts
16 of 52 apps allowed
Location
14 of 48 apps allowed
Microphone
10 of 26 apps allowed
Phone
12 of 37 apps allowed
SMS
7 of 23 apps allowed
Storage
29 of 63 apps allowed

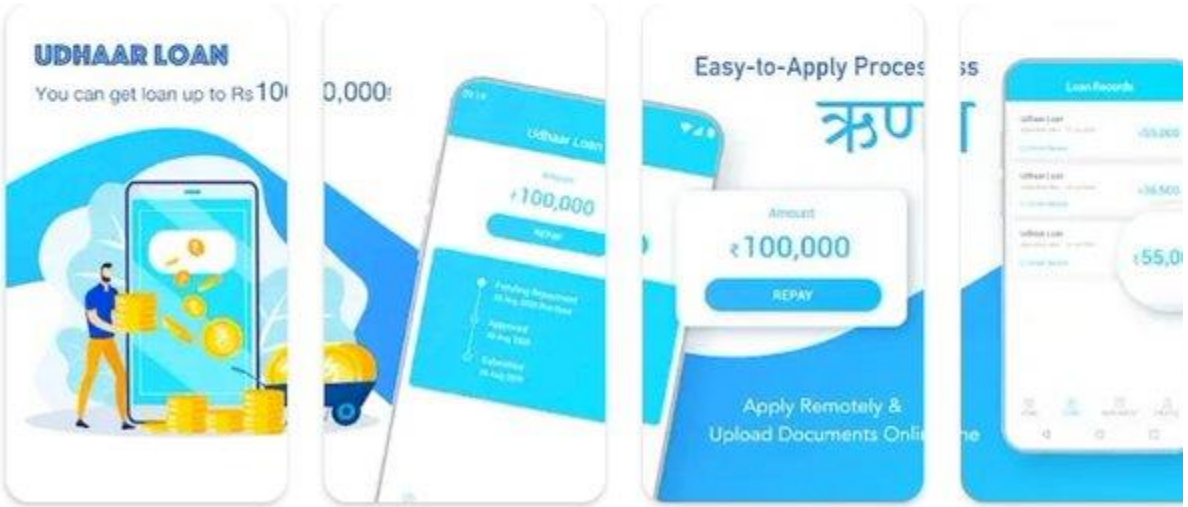

10:37
Microphone permissions
Amazon Shopping
Camera
Chrome
Duo
Duolingo
Facebook
Google
Google Play services
Hangouts
imo
Instagram

Udhaar Loan

Jiajifu

3.9★ 2K reviews | 12 MB | 3+ Rated for 3+ | 500K+ Downloads

Install



11:32 PM

+91 84482 41552
last seen today at 10:15 pm

I'm in depression 1:36 pm

Seriously 1:36 pm

I have money 1:36 pm

In my 1:36 pm

Card 1:36 pm

Wait 1:36 pm

Please 1:36 pm

Good bye 1:36 pm

Understand 1:36 pm

Please sir 1:36 pm

U do anything 1:36 pm

I will die 1:36 pm

Sir 1:36 pm

Please 1:36 pm

2.30 1:36 pm

Can you video call me nicked 1:37 pm

This message was deleted 2:41 pm

Wait only 9 o clock after 9 o clock 😁😁😁😁😁 so wait 6:29 pm

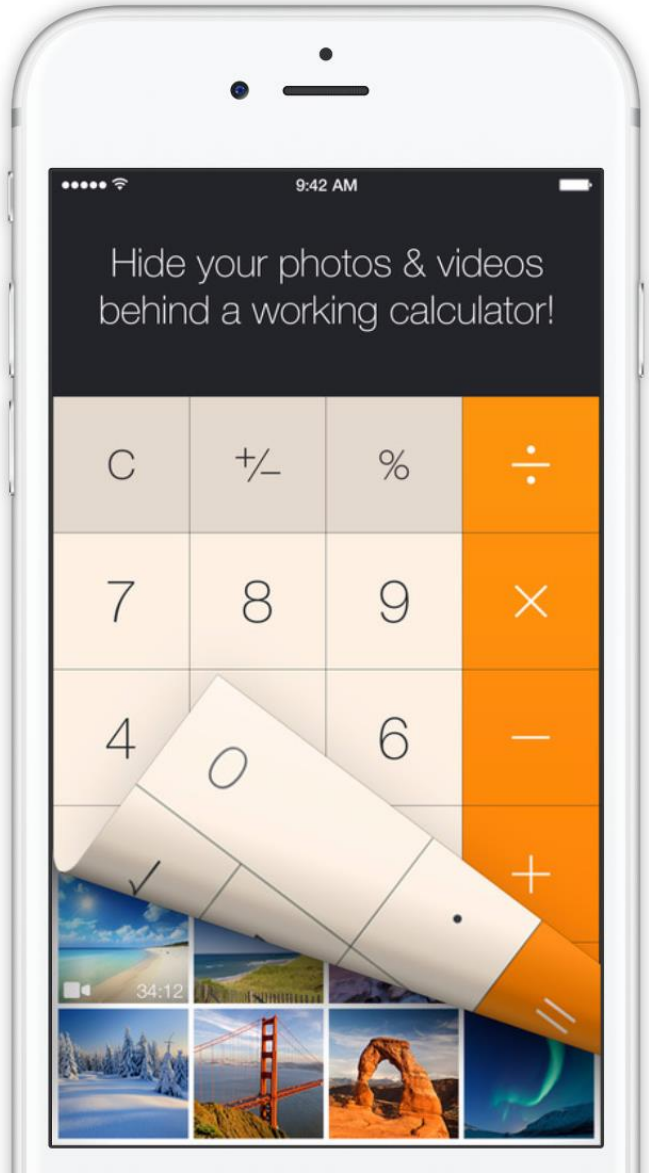
Type a message

Name & Shame Name & S
Name & Shame Nam
Name & Sham
Name & Shame Nam
Name & Shame Name & S

21:49
LTE
88
+234 909 500 2643
Today
Messages and calls are end-to-end encrypted. No one outside of this chat, not even WhatsApp, can read or listen to them. Tap to learn more.
This chat is with a business account. Tap to learn more.
Good day, kindly inform (id
ba
) with
that he has defaulted in his loan repayment to SOKOLENDING COMPANY, he has proven to be dubious by constantly avoiding our calls, he is advised to make payment immediately to avoid contacting his contacts tagging him as fraudulent, sending the picture on social media declearing him WANTED, we may further advice that he cannot be trusted with money because of his dubious attitude.
17:21

Boomerang

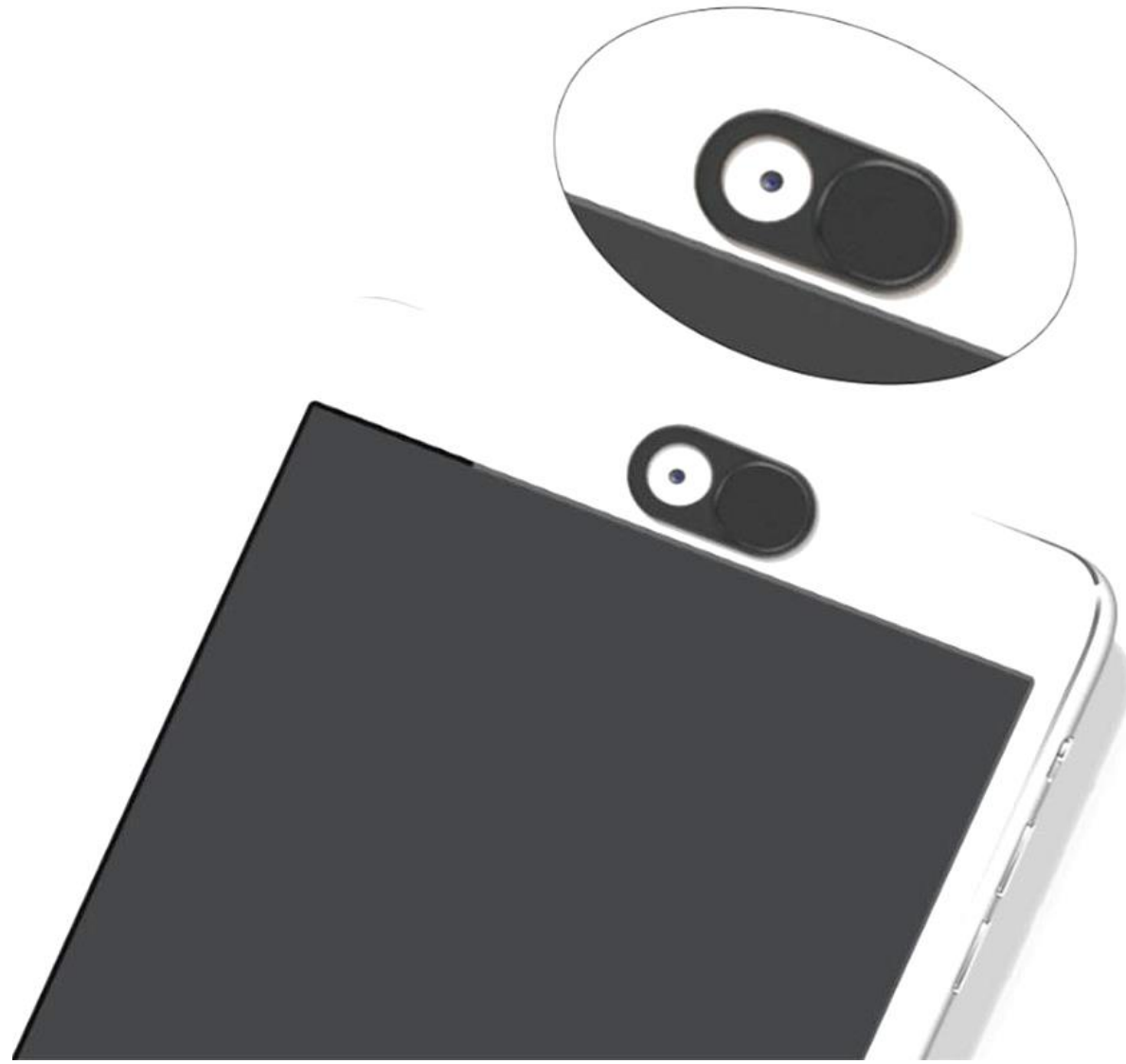
Vault Apps - what are they?



TELEPHONE BOOTH

EARLIER

NOW



tosdr.org

Apps YouTube Maps News Guide: How to Start... Image may contain:... Epilogue - annanth...

Terms of Service Didn't Read

"I have read and agree to the Terms"

is the biggest lie on the web. We aim to fix that.

Download Browser Addon | Contribute On Phoenix! | Pay our forum a visit! | Use our Metasearch Engine

TIME GIGAOM THE VERGE Le Monde.fr ZEIT ONLINE WIRED S+B DN

Search for a service here...

Facebook Grade E

- Facebook stores your data whether you have an account or not.
- Your identity is used in ads that are shown to other users
- The service can read your private messages
- This service can view your browser history
- Deleted content is not really deleted

View All Points on Phoenix!

View Documents | Visit Service | Facebook Privacy Grade E

Amazon Grade E

- Third-party cookies are used for advertising
- Terms may be changed any time at their discretion, without notice to the user
- This service tracks you on other websites
- The service can delete your account without prior notice and without a reason
- This service can license user content to third parties

View All Points on Phoenix!

View Documents | Visit Service | Amazon Privacy Grade E

DuckDuckGo Grade A

- This service does not track you
- No need to register
- The cookies used by this service do not contain information that would personally identify you
- IP addresses of website visitors are not tracked
- This service provides archives of their terms of service so that changes can be viewed over time

View All Points on Phoenix!

View Documents | Visit Service | DuckDuckGo Privacy Grade A

YouTube Grade E

- This service can view your browser history
- Deleted videos are not really deleted
- Third-party cookies are used for advertising
- You agree to defend, indemnify, and hold the service harmless in case of a claim related to your use of the service
- You are tracked via web beacons, tracking pixels, browser fingerprinting, and/or device fingerprinting

View All Points on Phoenix!

View Documents | Visit Service | YouTube Privacy Grade E

TODAY

Messages to this chat and calls are now secured with end-to-end encryption. Tap for more info.

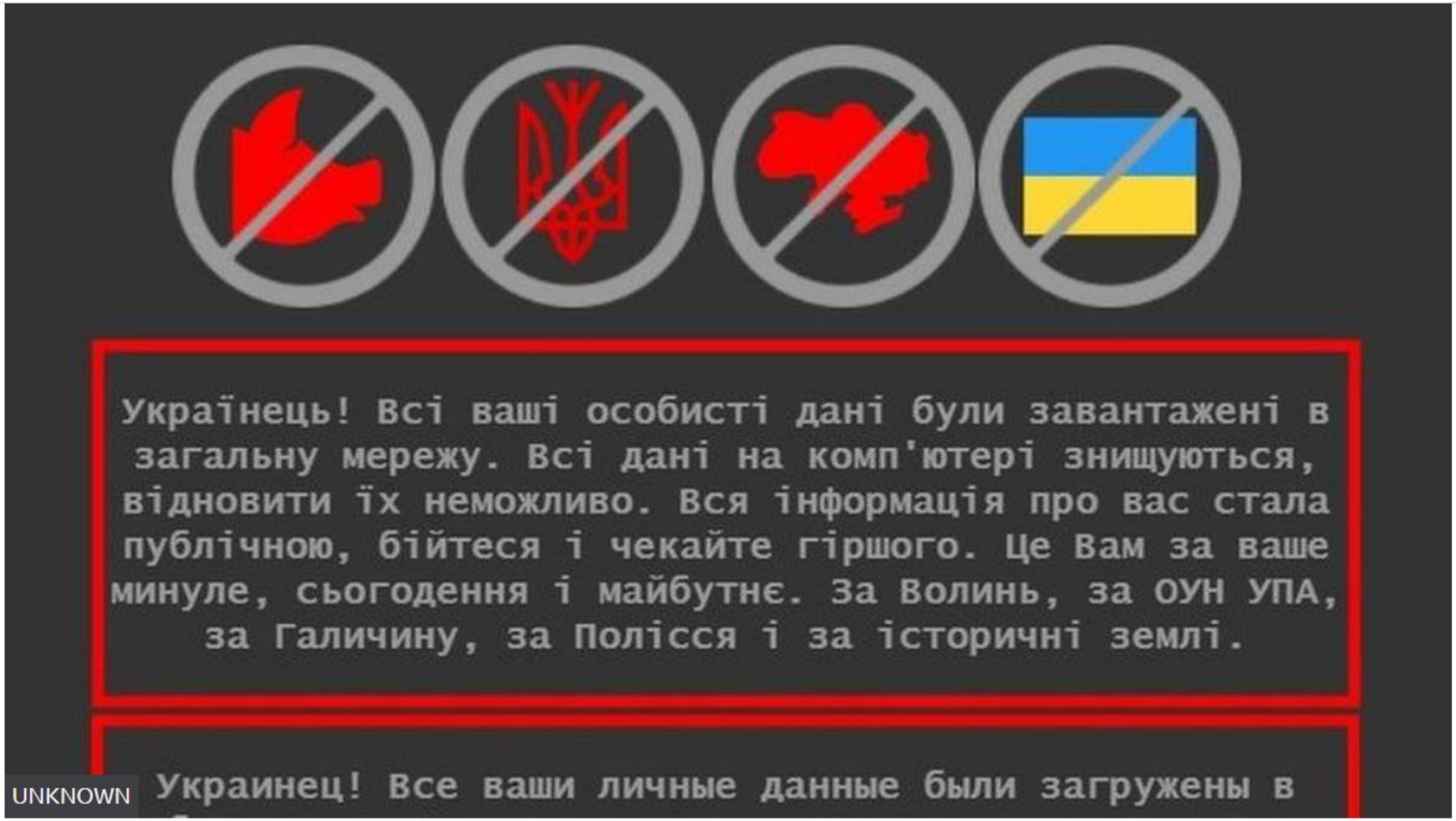
You deleted this message 12:19 PM

You
Hii

Hi 12:20 PM

threatmap.checkpoint.com

Apps | Web Slice Gallery | HOTS | CBSE X, CBS... | Google Code | Creating Passionate... | Gmail - Compose... | Bhagavad Gita Quo... | Other bookmarks | Reading li

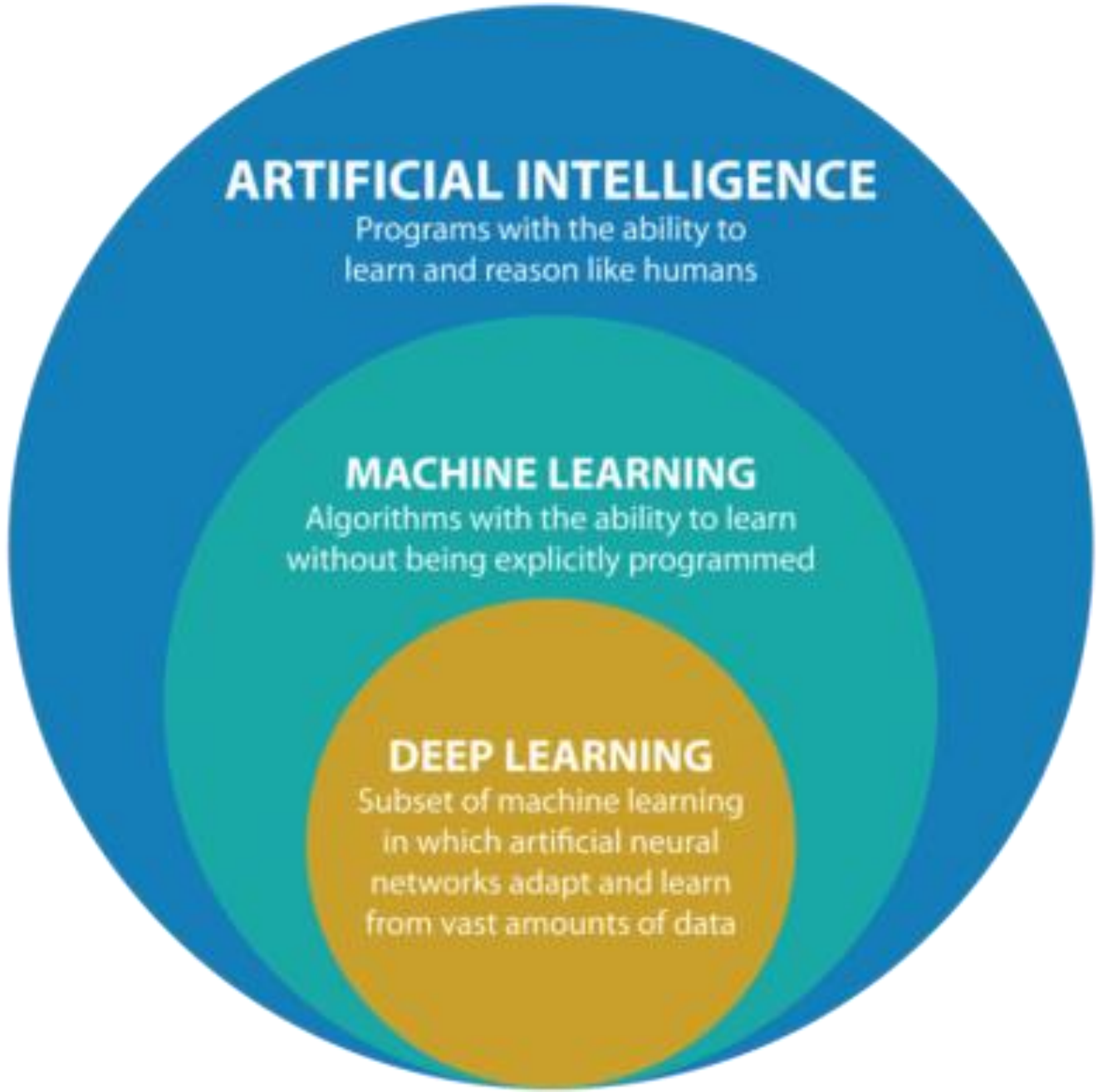


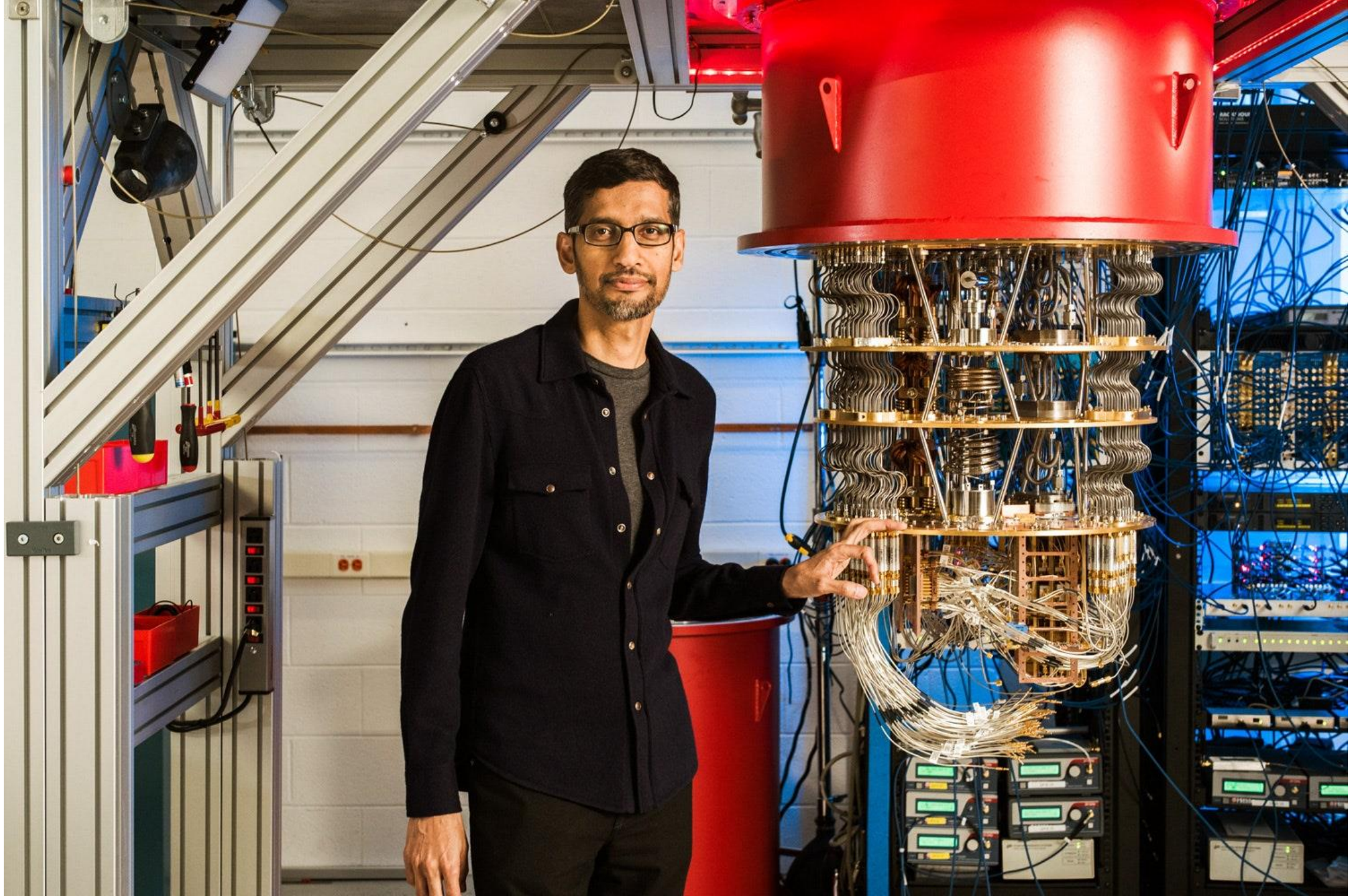
Ukraine websites were defaced with a threatening message in February

Shutdown of US pipeline after cyber-attack prompts worry over gas prices

White House to allow more fuel to be carried by road, but prices not expected to rise unless Colonial Pipeline outage lasts more than three days

▲ Colonial Pipeline, the source of nearly half of the east coast's fuel supply shut its entire network after breach of computer network. Photograph: Jim Lo Scalzo/EPA


ARTIFICIAL INTELLIGENCE
Programs with the ability to
learn and reason like humans
MACHINE LEARNING
Algorithms with the ability to learn
without being explicitly programmed
DEEP LEARNING
Subset of machine learning
in which artificial neural
networks adapt and learn
from vast amounts of data



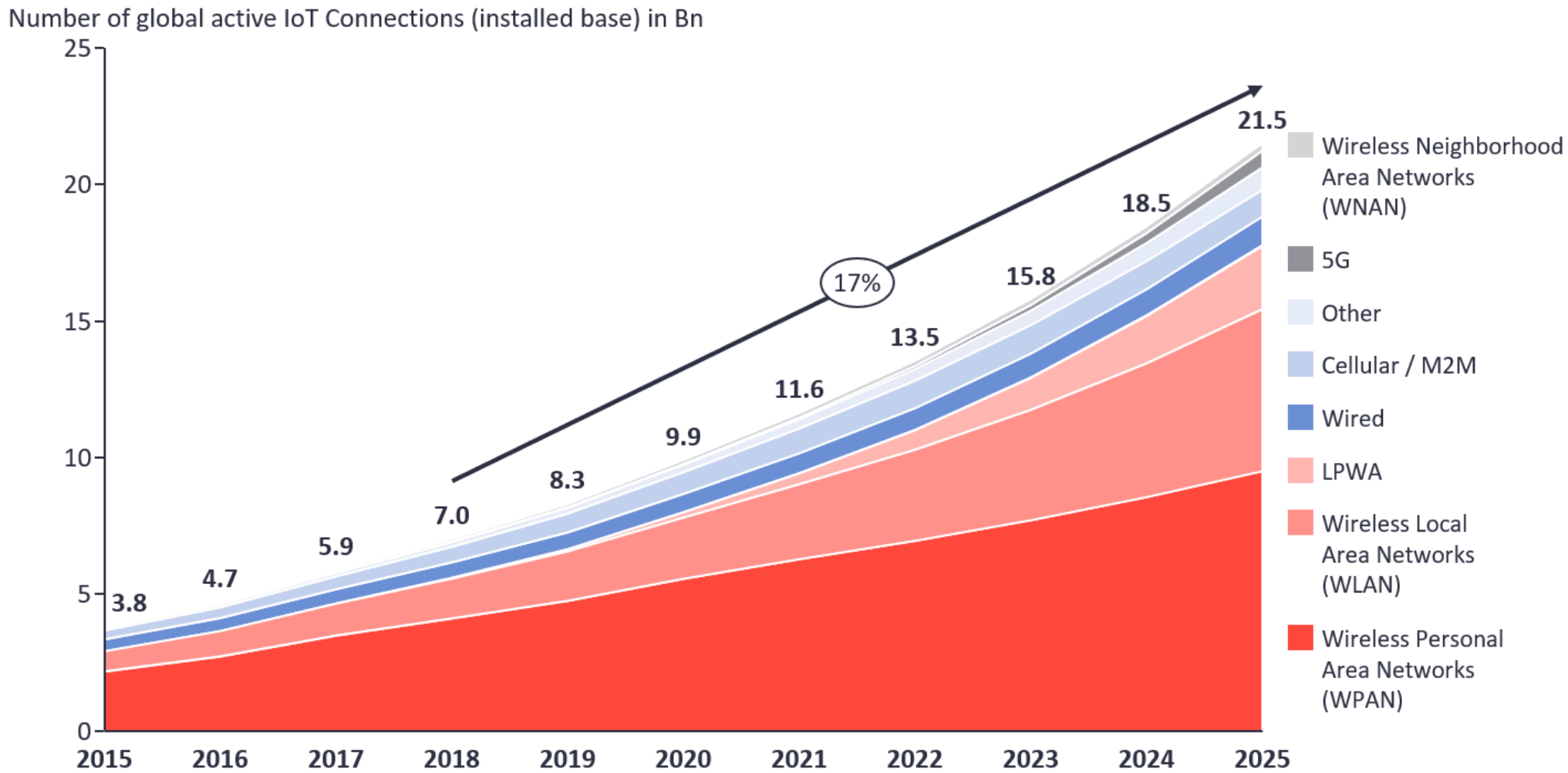
Google announced it has a quantum computer that is 100 million times faster than any classical computer in its lab.

Every day, we produce 2.5 exabytes of data. That number is equivalent to the content on 5 million laptops. Quantum computers will make it possible to process the amount of data we're generating in the age of big data.

In order to keep quantum computers stable, they need to be cold. That's why the inside of D-Wave Systems' quantum computer is -460 degrees Fahrenheit.

According to Professor Catherine McGeoch at Amherst University, a quantum computer is "thousands of times" faster than a conventional computer.

Global Number of Connected IoT Devices



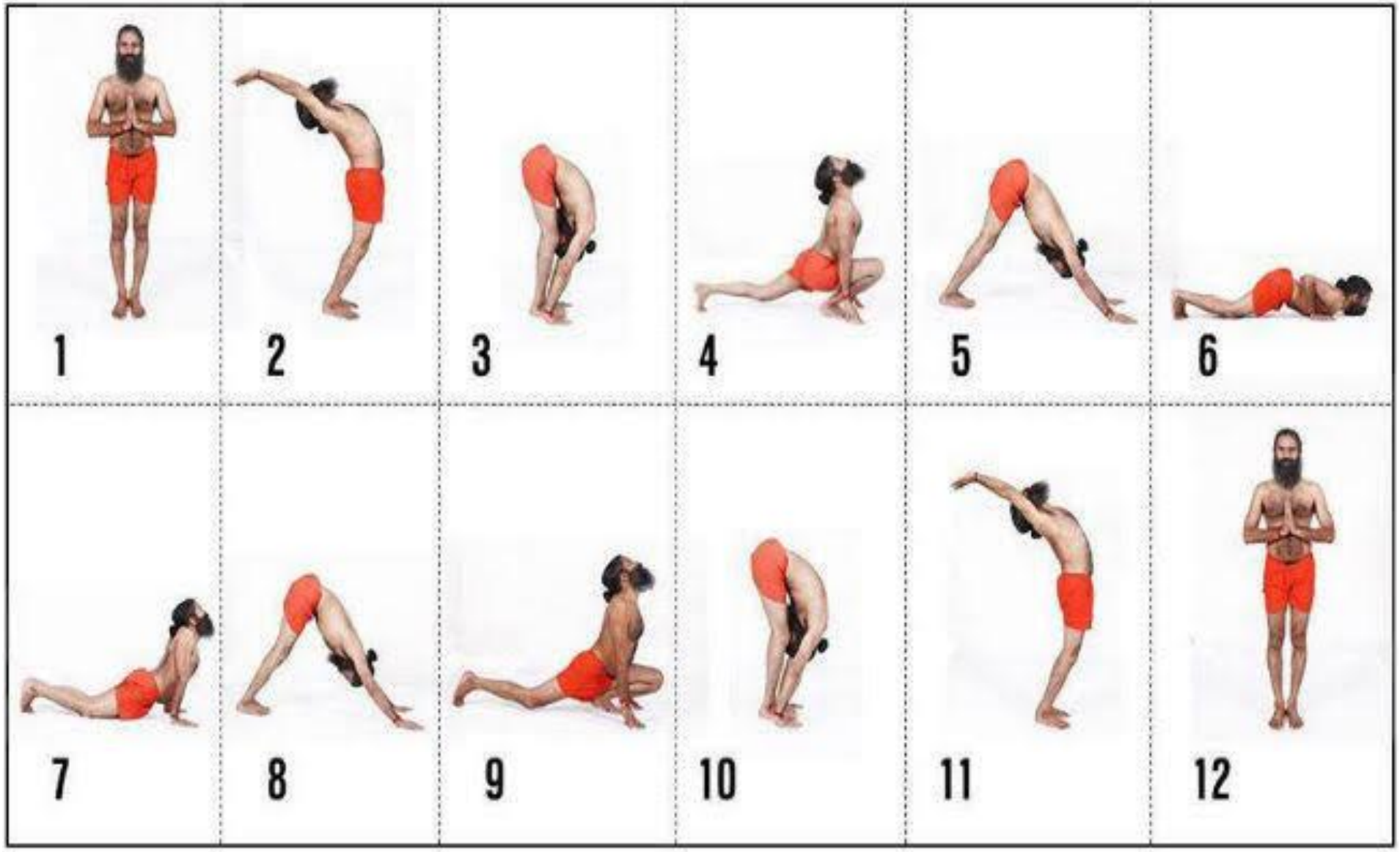
Note: IoT Connections do not include any computers, laptops, fixed phones, cellphones or tablets. Counted are active nodes/devices or gateways that concentrate the end-sensors, not every sensor/actuator. Simple one-directional communications technology not considered (e.g., RFID, NFC). Wired includes Ethernet and Fieldbuses (e.g., connected industrial PLCs or I/O modules); Cellular includes 2G, 3G, 4G; LPWAN includes unlicensed and licensed low-power networks; WPAN includes Bluetooth, Zigbee, Z-Wave or similar; WLAN includes Wi-fi and related protocols; WNAN includes non-short range mesh; Other includes satellite and unclassified proprietary networks with any range.
Source: IoT Analytics Research 2018

NOTHING BAD IS GOING
TO HAPPEN TO ME

OCT 9
12:58
8,700
87
78

Found ex-boyfriend was cheating on me from his 4 AM Fitbit data: US reporter

A US-based reporter named Jane Slater recently took to Twitter to reveal that she found out that her former boyfriend was cheating on her after he was "unaccounted for" and his "physical activity levels were spiking on the app" at 4 AM. He had gifted a Fitbit to Slater on Christmas. Both of their fitness devices were synced up.


1
2
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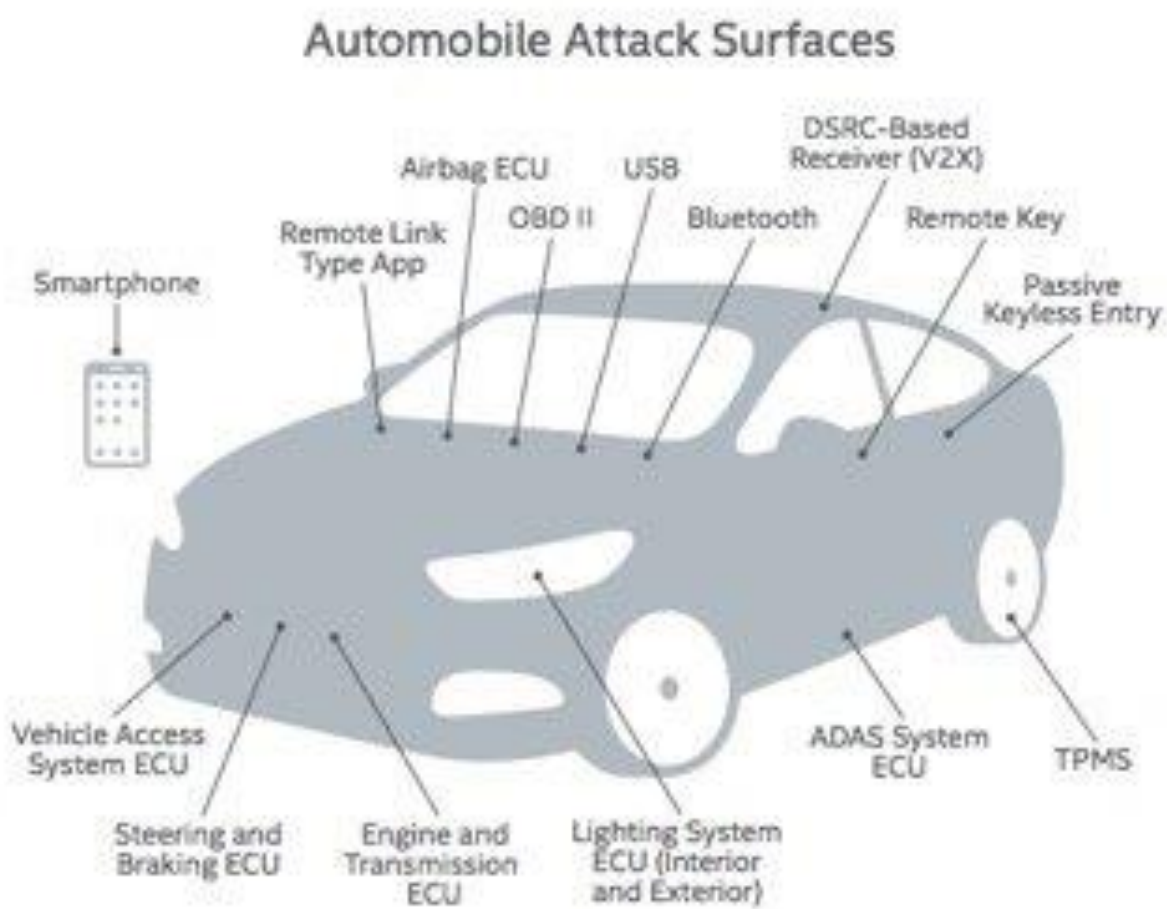
12



Fifteen of the most hackable and exposed attack surfaces, including several electronic control units, on a next-generation car.

WIRED

PITTSBURGH
PENGUINS

PROTECTED

Antivirus, Super Cleaner

Zbynek Adamcik **Tools**

E **Everyone**

This app is available for some of your devices

You can share this with your family. Learn more about Family Library

Add to Wishlist

Shark
Bot

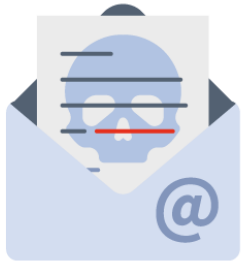
15 DIFFERENT TYPES OF SOCIAL ENGINEERI TECHNIQUES

WHAT IS SOCIAL ENGINEERING? TYPES OF SOCIAL ENGINEERING TECHNIQUES

- 1. Phishing
- 2. Dumpster Diving
- 3. Shoulder Surfing
- 4. Pharming
- 5. Tailgating
- 6. Hoaxes
- 7. Prepending
- 8. Impersonation
- 9. Identity Fraud
- 10. Invoice Scam
- 11. Credential Harvesting
- 12. Watering Hole Attack
- 13. Typo Squatting / URL Hijacking
- 14. Hybrid Warfare
- 15. Social Media and Influence Campaigns

Social Engineering Tactics to Watch For

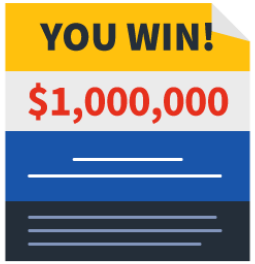
Knowing the red flags can help you avoid becoming a victim.



Your ‘friend’ sends you a strange message.

Your emotions are heightened.

The request is urgent.



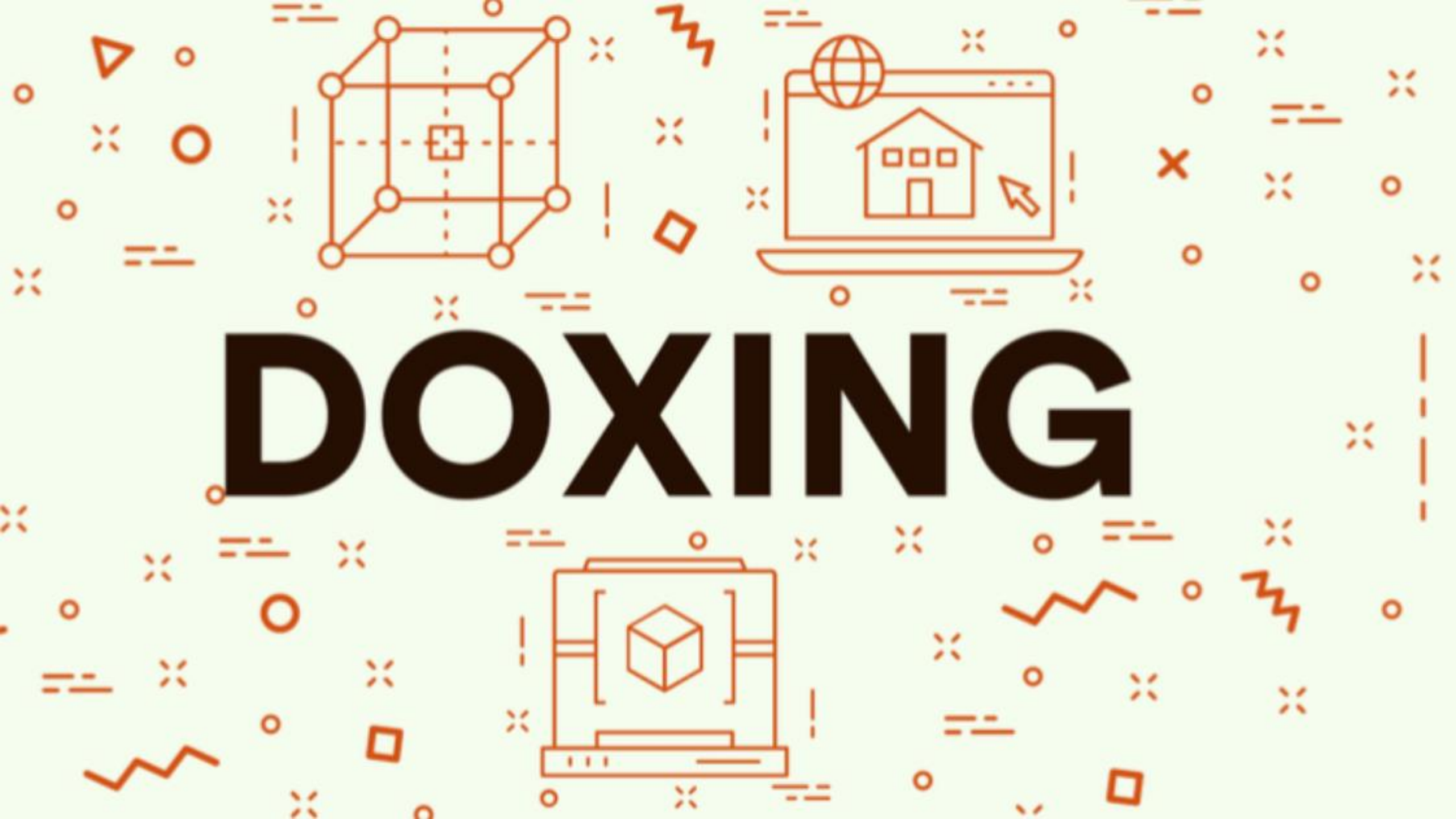
The offer feels too good to be true.

You’re receiving help you didn’t ask for.

The sender can’t prove their identity.

DATA
LEAKED
DATA
LEAKED

facebook
version of you
Realistic
version of you


DOXING

DOXING

Home addresses

Workplace details

Personal phone numbers

Social security numbers

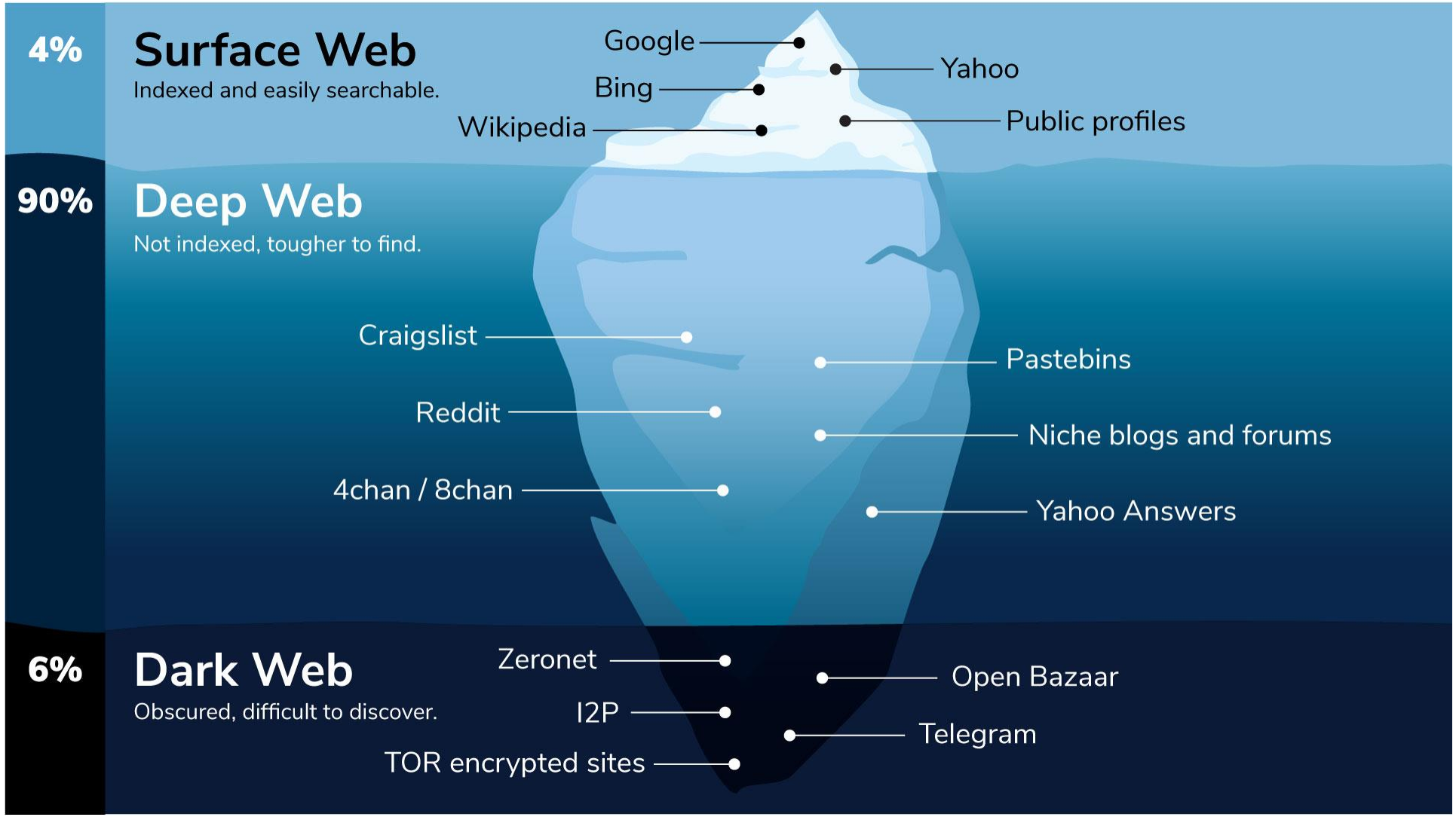
Bank account or credit card information

Private correspondence

Criminal history

Personal photos

Embarrassing personal details


4%
Surface Web
Indexed and easily searchable.
Google
Bing
Wikipedia
Yahoo
Public profiles
90%
Deep Web
Not indexed, tougher to find.
Craigslist
Reddit
4chan / 8chan
Pastebins
Niche blogs and forums
Yahoo Answers
6%
Dark Web
Obscured, difficult to discover.
Zeronet
I2P
TOR encrypted sites
Open Bazaar
Telegram

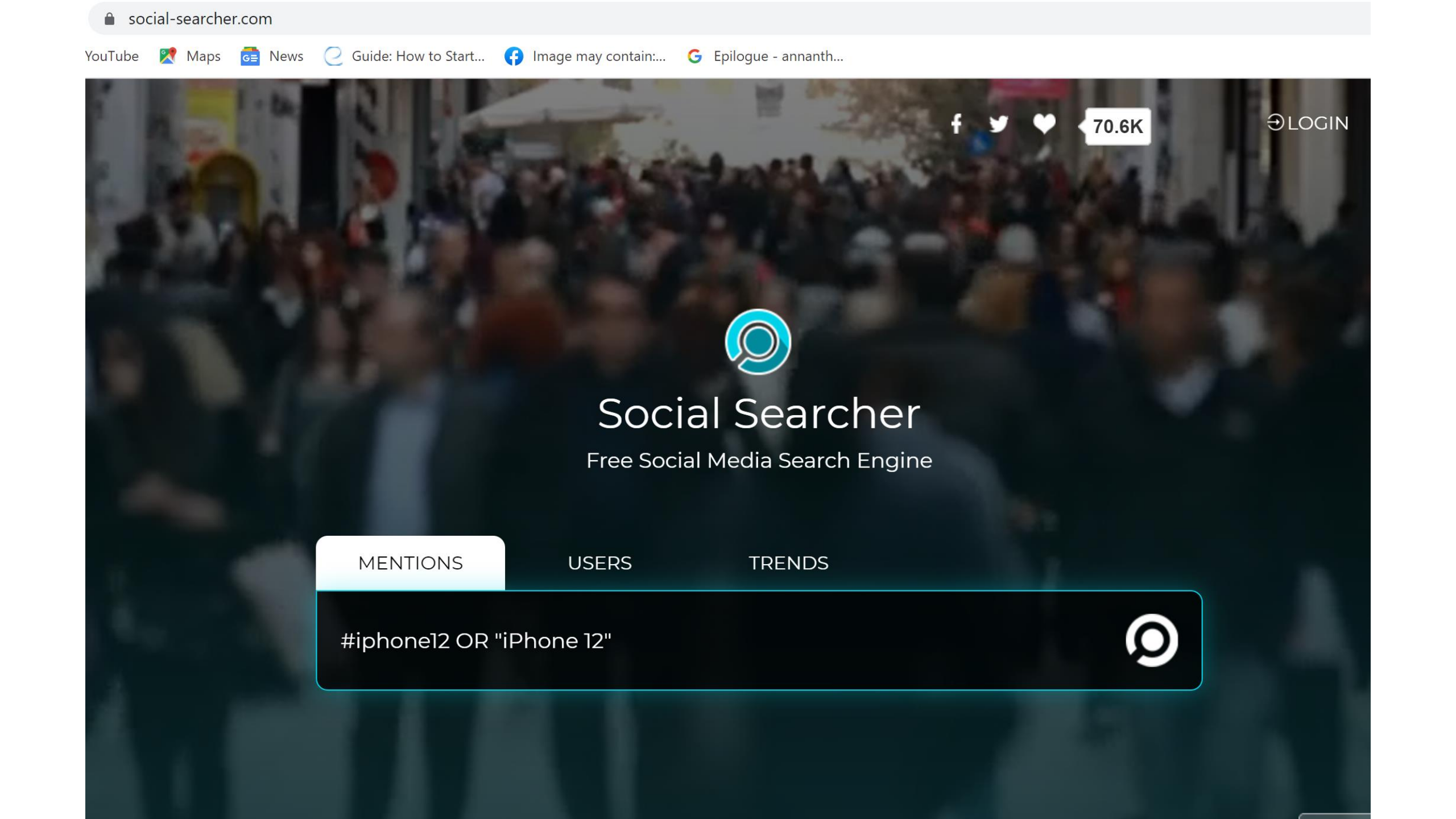
SEASON 2
HIMALAYAN HIGHS
An opportunity to ride on the world's highest motorable road on a TVS Scooty Zest 110 alongside 10 other riders. Come, find your highs in the formidable yet breathtaking terrains.
Scooty Zest

CarInfo

RC, Licence, Challan & more..

Made with love in India

realme Community

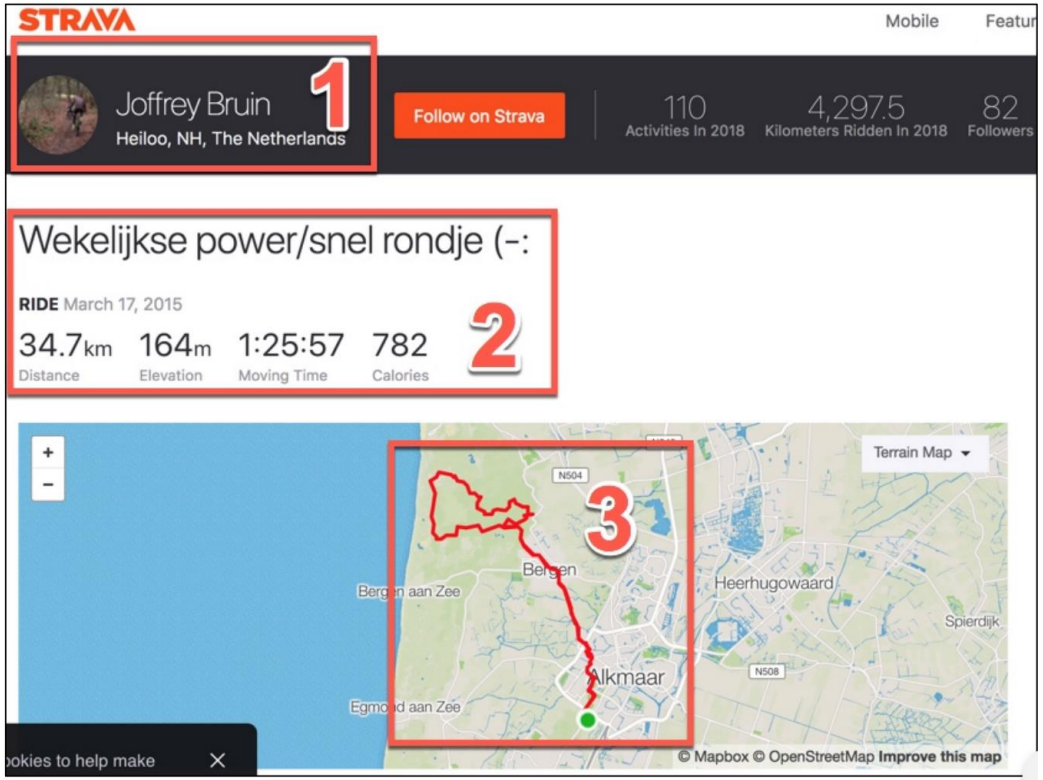

social-searcher.com
YouTube
Maps
News
Guide: How to Start...
Image may contain:...
Epilogue - annanth...
70.6K
LOGIN
Social Searcher
Free Social Media Search Engine
MENTIONS
USERS
TRENDS
#iphone12 OR "iPhone 12"

Joffrey Bruin

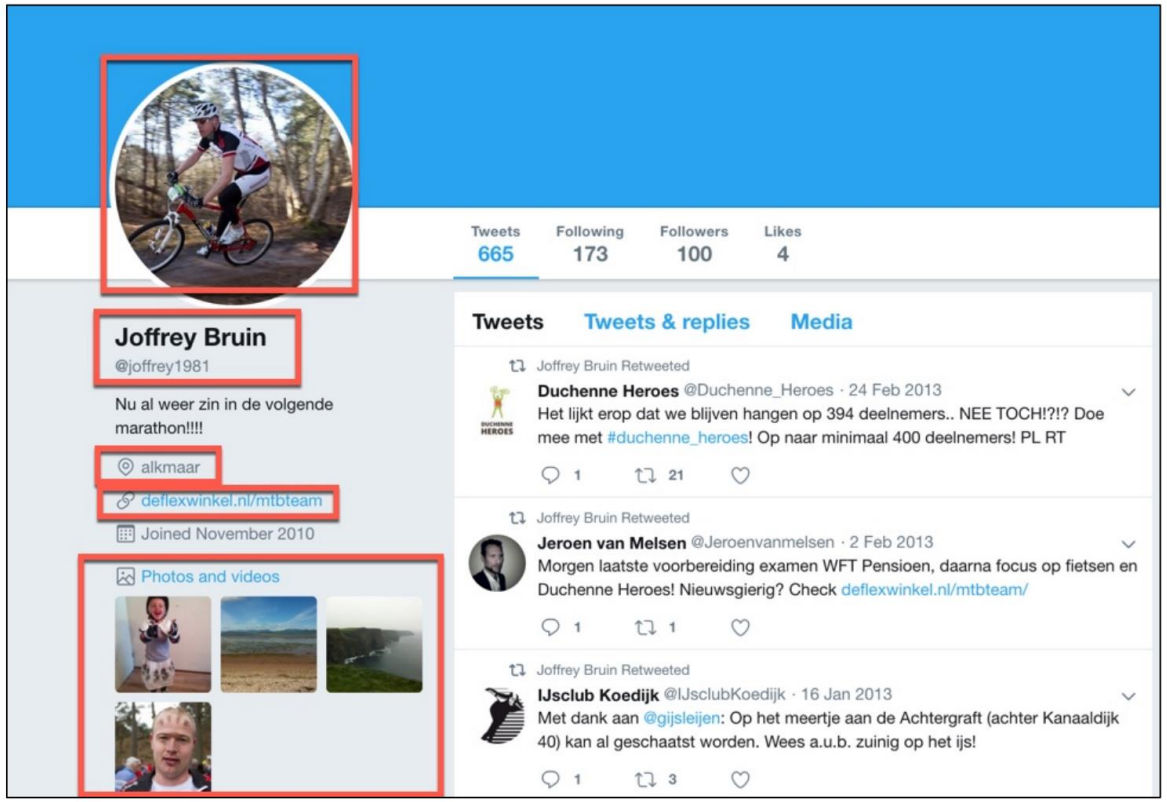
- He cycles
- He is from Netherlands

What a sports app tells us

1. Joffrey Bruin
1. Heiloo, Netherlands
2. Weekly Bicycle ride
2. 17 march 2015 = Tuesday
2. Duration ride 1:25:57
3. Map of the Route

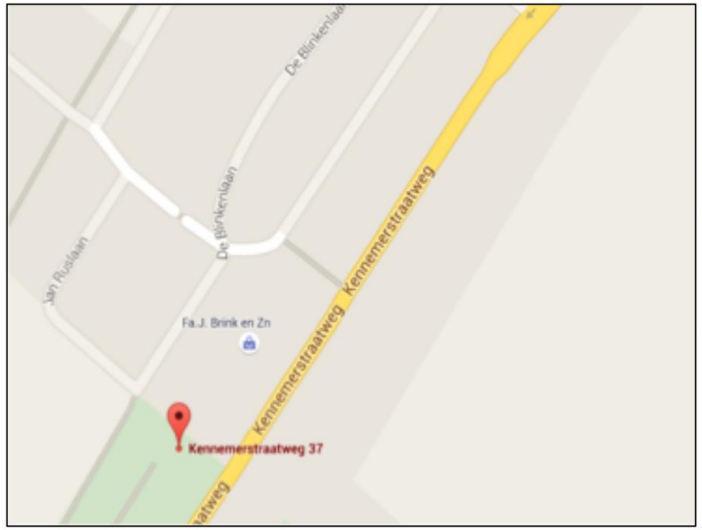


Twitter


Tweets 665
Following 173
Followers 100
Likes 4
Joffrey Bruin
@joffrey1981
Nu al weer zin in de volgende marathon!!!!
alkmaar
deflexwinkel.nl/mtbteam
Joined November 2010
Photos and videos
Tweets
Tweets & replies
Media
Joffrey Bruin Retweeted
Duchenne Heroes @Duchenne_Heroes · 24 Feb 2013
Het lijkt erop dat we blijven hangen op 394 deelnemers.. NEE TOCH!?!? Doe mee met #duchenne_heroes! Op naar minimaal 400 deelnemers! PL RT
Joffrey Bruin Retweeted
Jeroen van Melsen @Jeroenvanmelsen · 2 Feb 2013
Morgen laatste voorbereiding examen WFT Pensioen, daarna focus op fietsen en Duchenne Heroes! Nieuwsgierig? Check deflexwinkel.nl/mtbteam/
Joffrey Bruin Retweeted
IJsclub Koedijk @IJsclubKoedijk · 16 Jan 2013
Met dank aan @gijsleijen: Op het meertje aan de Achtergraft (achter Kanaaldijk 40) kan al geschaatst worden. Wees a.u.b. zuinig op het ijs!

Joffrey Bruin
@joffrey1981
Follow
Trots op haar nieuwe skeelers die ze heeft gehad voor haar vijfde verjaardag!
3:24 AM - 9 Jun 2012
Joffrey Bruin
@joffrey1981
Follow
@mjthvanleeuwen ja het was zwaar en zeer stoffig de #5vs
8:27 AM - 7 Apr 2012

Yellow Pages & Streetview



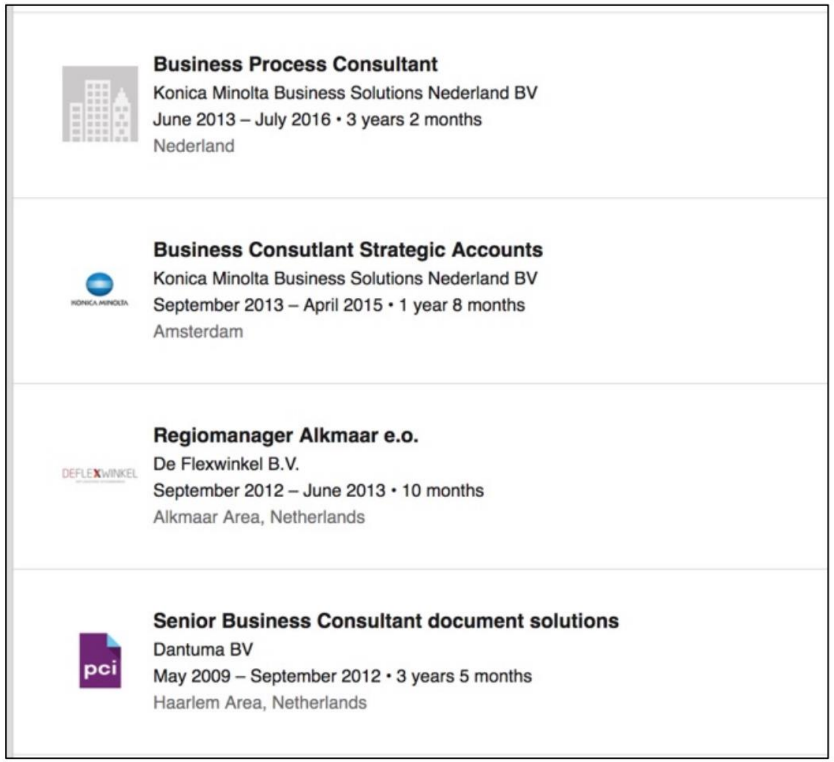
LinkedIn

- Past en Current jobs
- Education
- Validation on previous results

Joffrey Bruin
Solution Architect at Basware
Amsterdam Area, Netherlands
Information Technology and Services

500+ connections

Current	Basware
Previous	Konica Minolta Business Solutions Nederland BV, De Flexwinkel B.V., Dantuma BV
Education	Comptia
Recommendations	4 people have recommended **Joffrey Bruin**



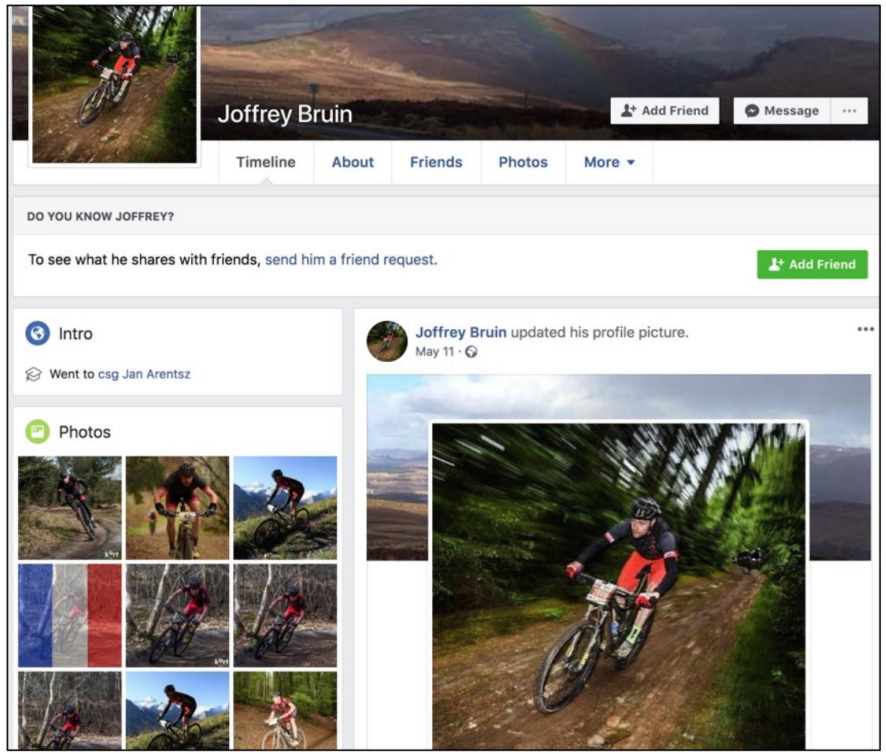
Business Process Consultant
Konica Minolta Business Solutions Nederland BV
June 2013 – July 2016 • 3 years 2 months
Nederland

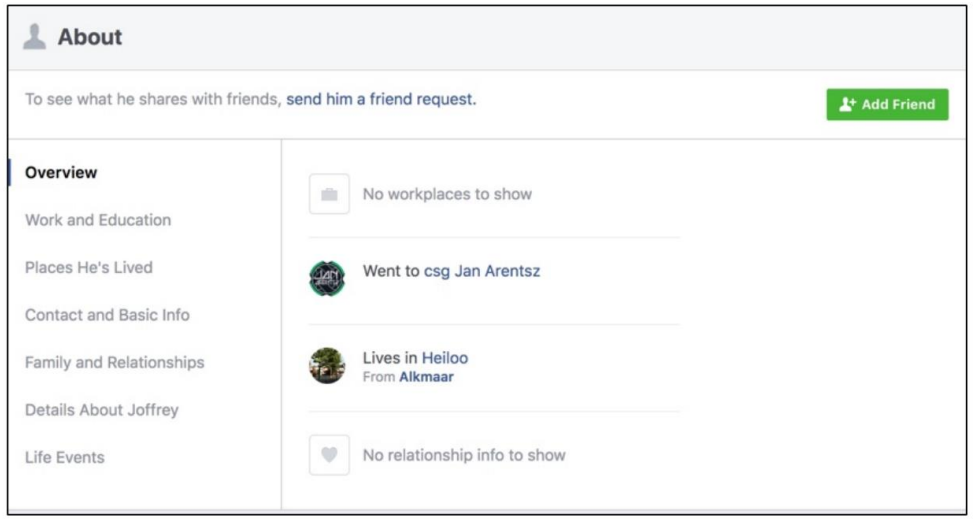
Business Consutlant Strategic Accounts
Konica Minolta Business Solutions Nederland BV
September 2013 – April 2015 • 1 year 8 months
Amsterdam

Regiomanager Alkmaar e.o.
De Flexwinkel B.V.
September 2012 – June 2013 • 10 months
Alkmaar Area, Netherlands

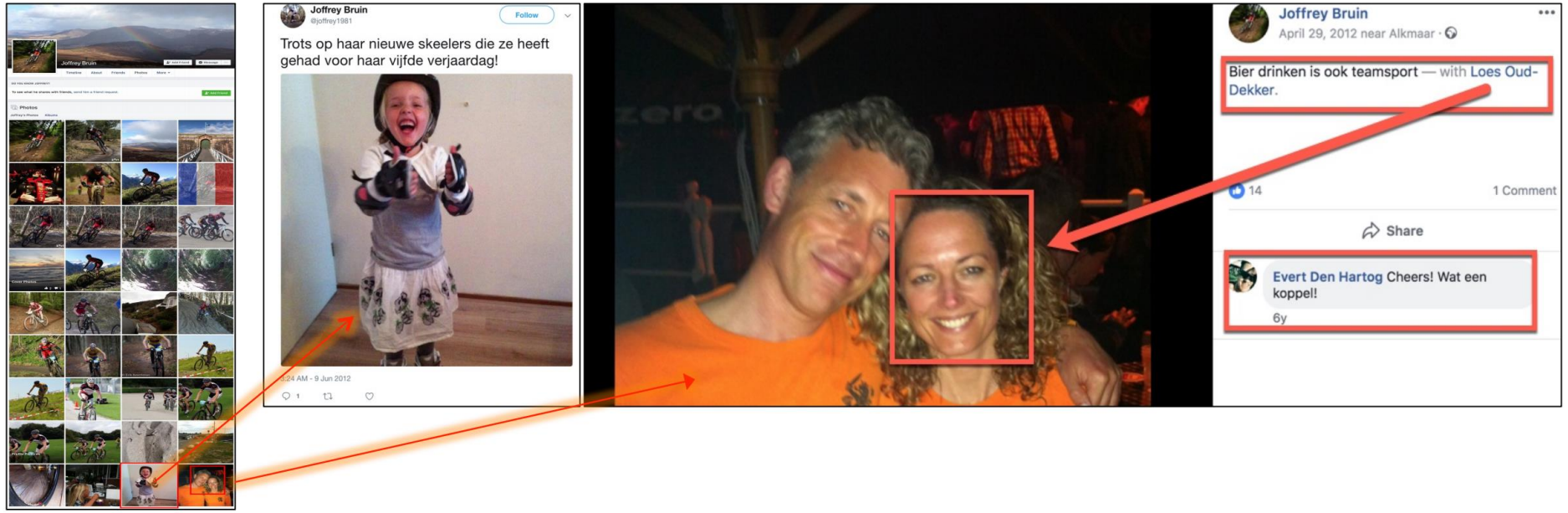
Senior Business Consultant document solutions
Dantuma BV
May 2009 – September 2012 • 3 years 5 months
Haarlem Area, Netherlands

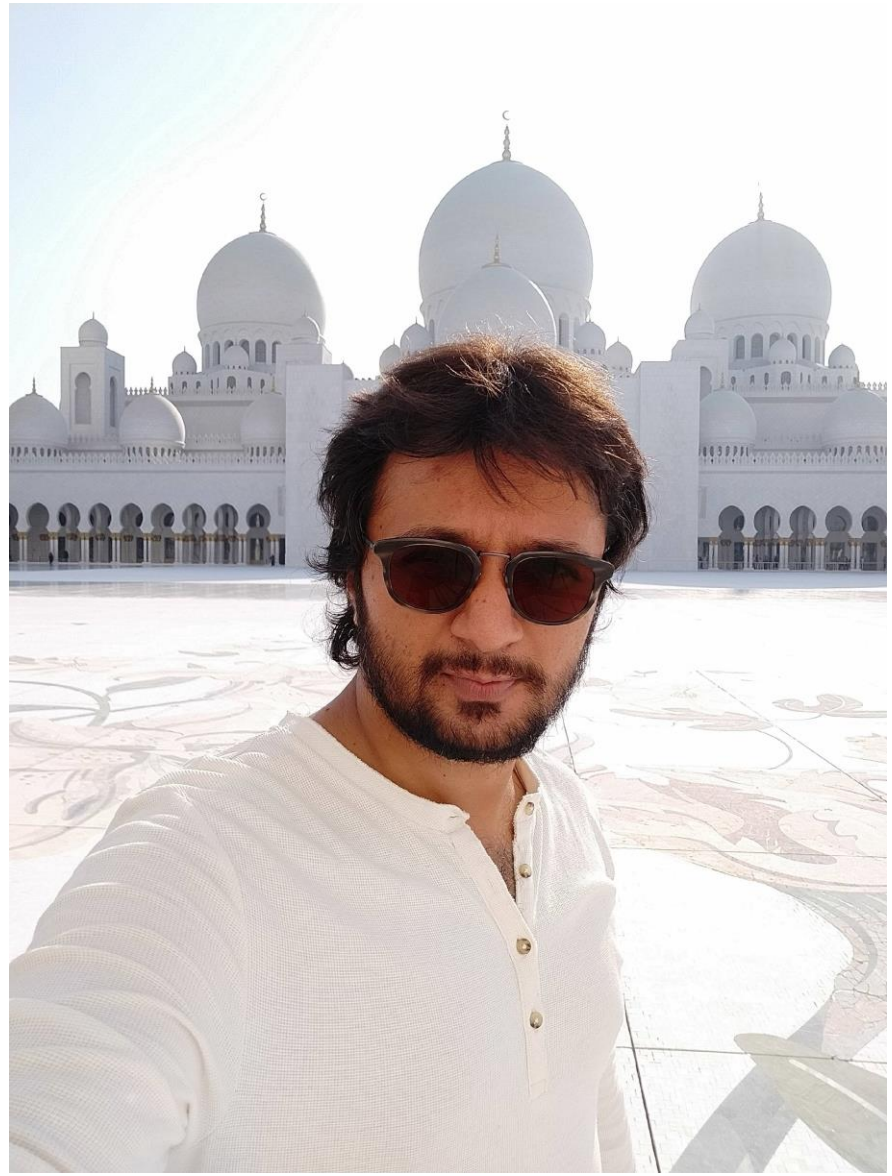
Facebook

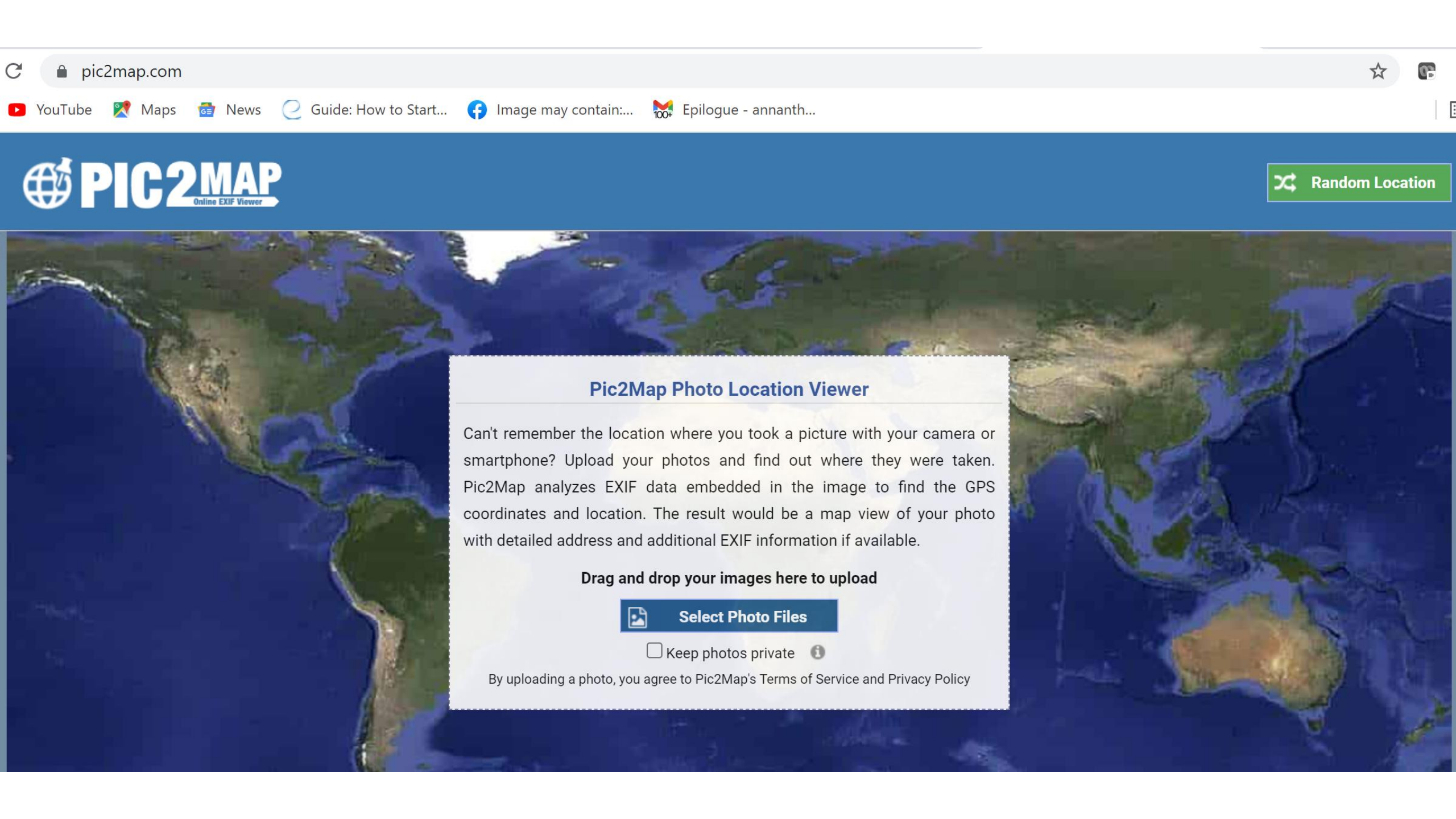

Joffrey Bruin
Add Friend
Message
Timeline
About
Friends
Photos
More
DO YOU KNOW JOFFREY?
To see what he shares with friends, send him a friend request.
Add Friend
Intro
Went to csg Jan Arentsz
Photos
Joffrey Bruin updated his profile picture.
May 11


About
To see what he shares with friends, send him a friend request.
Add Friend
Overview
Work and Education
Places He's Lived
Contact and Basic Info
Family and Relationships
Details About Joffrey
Life Events
No workplaces to show
Went to csg Jan Arentsz
Lives in Heiloo
From Alkmaar
No relationship info to show

Facebook


Joffrey Bruin
Photos
Joffrey Bruin
@joffrey1981
Follow
Trots op haar nieuwe skeelers die ze heeft gehad voor haar vijfde verjaardag!
4:24 AM - 9 Jun 2012
Joffrey Bruin
April 29, 2012 near Alkmaar ·
Bier drinken is ook teamsport — with Loes Oud-Dekker.
14
1 Comment
Share
Evert Den Hartog Cheers! Wat een koppel!
6y




pic2map.com
YouTube
Maps
News
Guide: How to Start...
Image may contain:...
Epilogue - annanth...
PIC2MAP
Online EXIF Viewer
Random Location
Pic2Map Photo Location Viewer
Can't remember the location where you took a picture with your camera or smartphone? Upload your photos and find out where they were taken. Pic2Map analyzes EXIF data embedded in the image to find the GPS coordinates and location. The result would be a map view of your photo with detailed address and additional EXIF information if available.
Drag and drop your images here to upload
Select Photo Files
Keep photos private
By uploading a photo, you agree to Pic2Map's Terms of Service and Privacy Policy

pic2map.com/bvxdto.html

YouTube Maps News

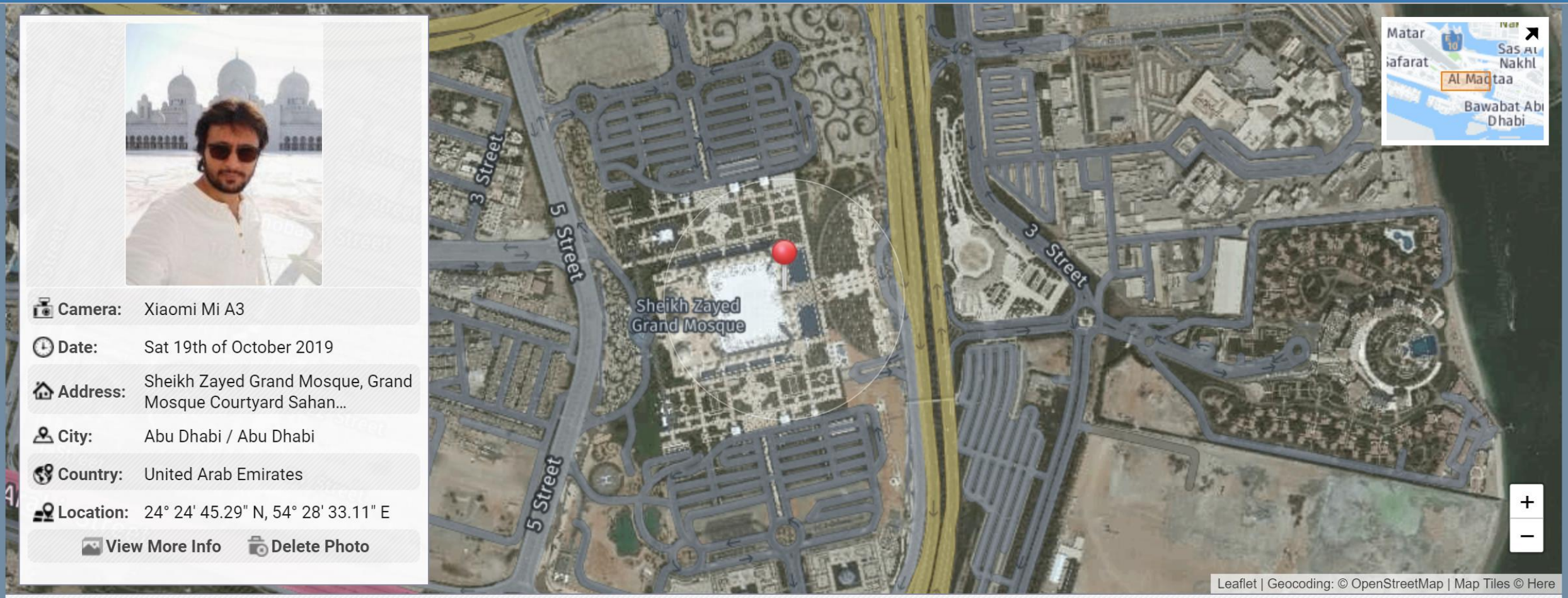
PIC2MAP

Online EXIF Viewer

Random Location | Upload Photos

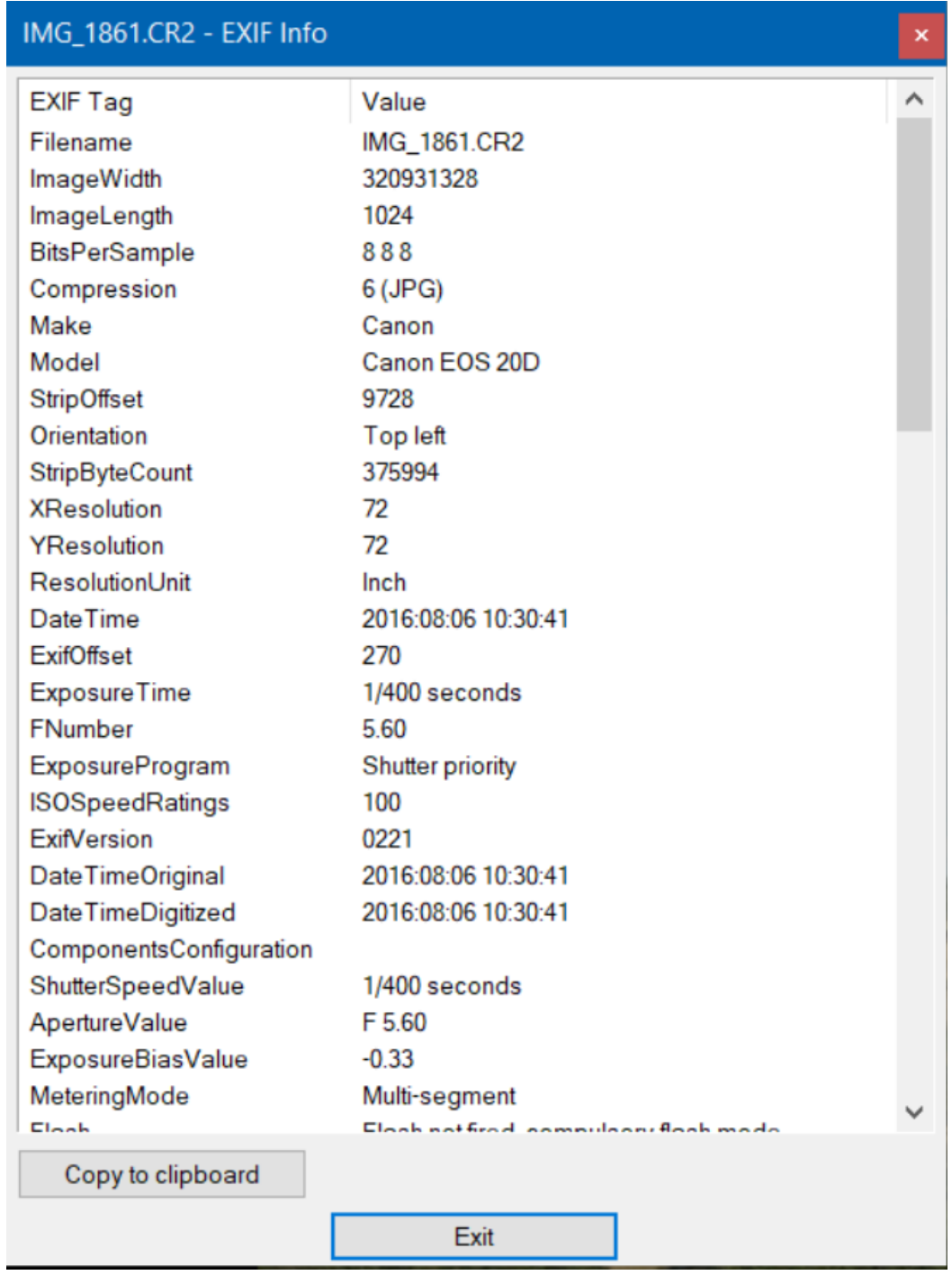
Camera:	Xiaomi Mi A3
Date:	Sat 19th of October 2019
Address:	Sheikh Zayed Grand Mosque, Grand Mosque Courtyard Sahan...
City:	Abu Dhabi / Abu Dhabi
Country:	United Arab Emirates
Location:	24° 24' 45.29" N, 54° 28' 33.11" E

View More Info | Delete Photo



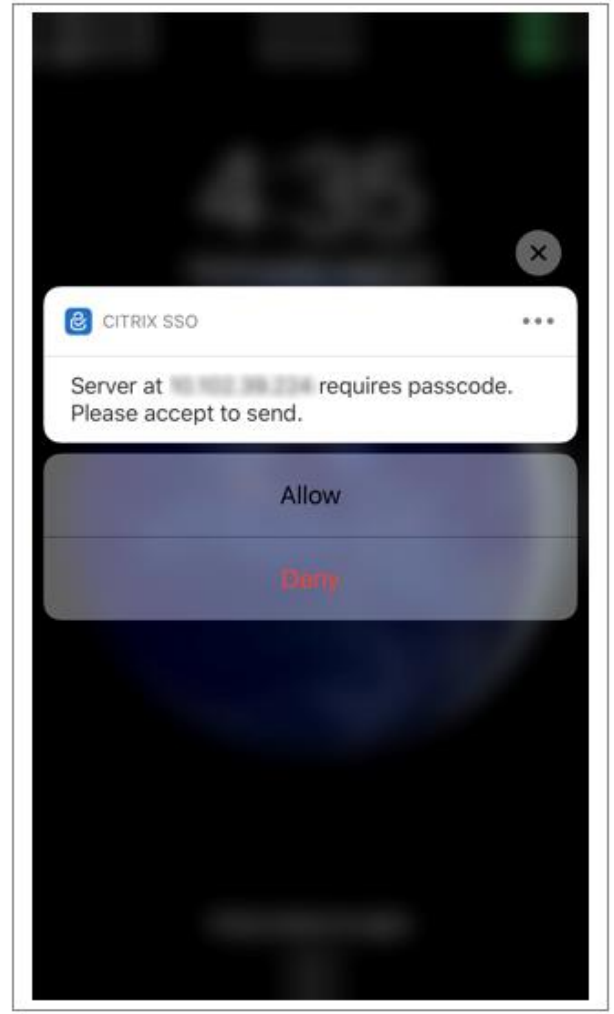
Like Share 2.9K people like this. Be the first of your friends.

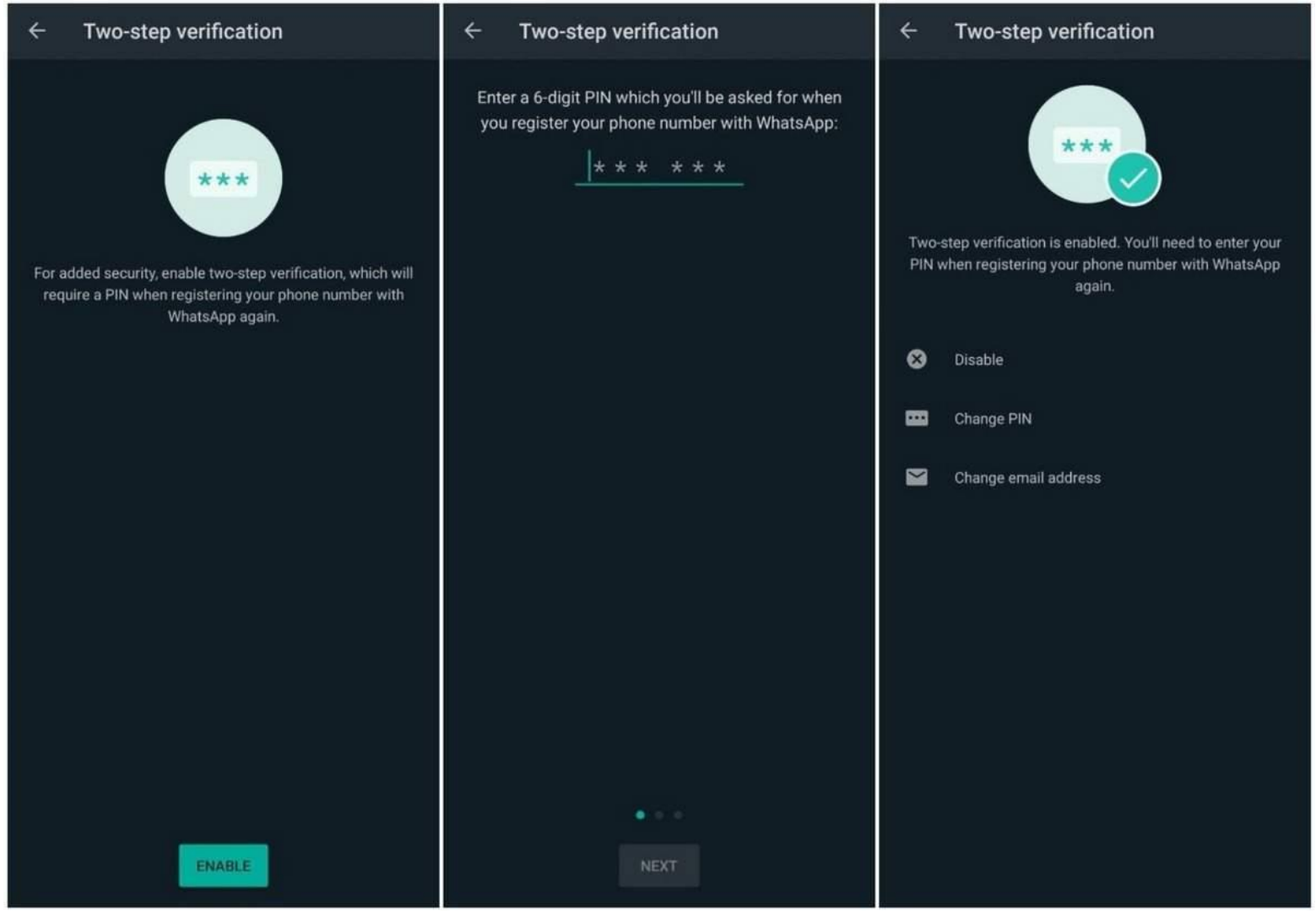
Share URL: https://www.pic2map.com/bvxdto.html


IMG_1861.CR2 - EXIF Info
EXIF Tag
Value
Filename
IMG_1861.CR2
ImageWidth
320931328
ImageLength
1024
BitsPerSample
8 8 8
Compression
6 (JPG)
Make
Canon
Model
Canon EOS 20D
StripOffset
9728
Orientation
Top left
StripByteCount
375994
XResolution
72
YResolution
72
ResolutionUnit
Inch
DateTime
2016:08:06 10:30:41
ExifOffset
270
ExposureTime
1/400 seconds
FNumber
5.60
ExposureProgram
Shutter priority
ISOSpeedRatings
100
ExifVersion
0221
DateTimeOriginal
2016:08:06 10:30:41
DateTimeDigitized
2016:08:06 10:30:41
ComponentsConfiguration
ShutterSpeedValue
1/400 seconds
ApertureValue
F 5.60
ExposureBiasValue
-0.33
MeteringMode
Multi-segment
Copy to clipboard
Exit

%2F9%20Device%2FGoogle-Pixel_3&type=android_hprof&android_hprof_extras=%7B%22app_versi
2%2C%22memclass%22%3A192%2C%22model%22%3A%22Pixel%203%22%2C%22android_version%22%3A%2
%2C%22app%22%3A%22Whatsapp%22%2C%22proces
MemoryError%22%2C%22platform_abi%22
%22%7D HTTP/1.1
r-Agent: WhatsApp/2.20.206.22 A
Pixel_3
ept-Encoding: identity
tent-Type: multipart/form-da
ee-a328-45b0481c7956
nsfer-Encoding: chunked
t: crashlogs.whatsapp.net
nection: Keep-Alive
.0.0.1 - - [11/Feb/2021 15:3
ss_token=10631277571133 99%7C
2.20.206.22-website-release%
gle-Pixel_3&type=android_hpro
A205622000%2C%22brand%22%3A%
22%3A192%2C%22model%22%3A%22Pix
pp_version_name%22%3A%222.
A%22Whatsapp%22%2C%22process_name
C%22dump_cause%22%3A%22jav
OutO
C%22%2C%22platform_abi%22%3A%22arm64-
eived 4835045 bytes, stored in /Users/rootuser/tmp/1b3d0c6e6de7366a33ee59ad5bdcec1d.b
E
] 0:bash*

4:35
Wednesday, April 24
CITRIX SSO
now
Server at [redacted] requires passcode. Please accept to send.


CITRIX SSO
Server at [redacted] requires passcode. Please accept to send.
Allow
Deny


Two-step verification
***
For added security, enable two-step verification, which will require a PIN when registering your phone number with WhatsApp again.
ENABLE
Two-step verification
Enter a 6-digit PIN which you'll be asked for when you register your phone number with WhatsApp:
* * * * * *
NEXT
Two-step verification
***
Two-step verification is enabled. You'll need to enter your PIN when registering your phone number with WhatsApp again.
Disable
Change PIN
Change email address

App Store LTE 11:49 AM 69%

Two-Factor Authentication

Choose Your Security Method

Choose where you want us to send you a security code when we need to confirm that it's you logging in. Learn More

Two-Factor Authentication

Text Message
We'll send a code to the number you choose.

Authentication App
We'll check to see if you have one. If don't, we'll recommend one to download.

App Store LTE 11:49 AM 69%

Authentication App

Add Extra Security to Your Account

You can use an authentication app to quickly generate security codes without a text message.

Install an app like Duo Mobile or Google Authenticator, then return to Instagram to finish setting up.

Install App

Set Up Manually

WHAT DO YOUR DEVICES KNOW ABOUT YOU?

Text Messages

- Text log stored on phone

Passwords

- Web browser autofill
- Stored in the file system

Credit Card Numbers

- Web browser autofill
- Downloaded credit card statements

Deleted files

- All deleted files, including ones no longer in recycle bin or trash, can be recovered until physical storage space overwritten

Phone Calls

- Call log stored on phone

Name and Address

- Web browser autofill
- Address book

Bank Account Info

- Downloaded bank statements

Recent Locations

- Photos
- Navigation apps

Recent Files

- List kept by operating system
- Various applications keep their own recent file lists

Current Location

- Readable off your GPS

Contacts

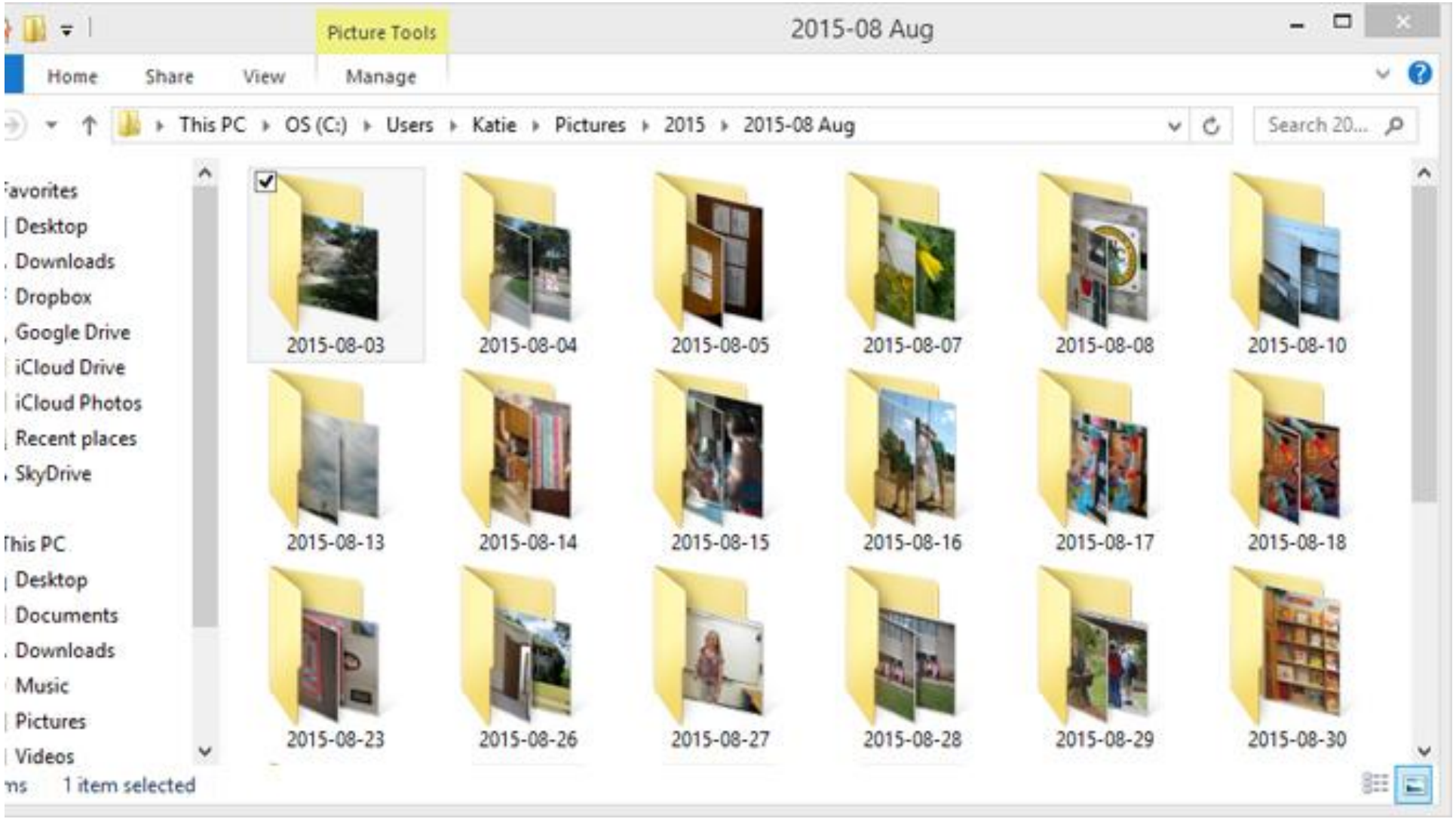
- Address book

Recent Visited Sites

- Browser's cache
- Browser's history
- Cookies

DATA
DATA
DATA
DATA
DATA
DATA
DATA
DATA
DATA
DATA
DATA
DATA

hp
64GB


Picture Tools
2015-08 Aug
Home
Share
View
Manage
This PC
OS (C:)
Users
Katie
Pictures
2015
2015-08 Aug
Search 20...
Favorites
Desktop
Downloads
Dropbox
Google Drive
iCloud Drive
iCloud Photos
Recent places
SkyDrive
This PC
Desktop
Documents
Downloads
Music
Pictures
Videos
1 item selected
2015-08-03
2015-08-04
2015-08-05
2015-08-07
2015-08-08
2015-08-10
2015-08-13
2015-08-14
2015-08-15
2015-08-16
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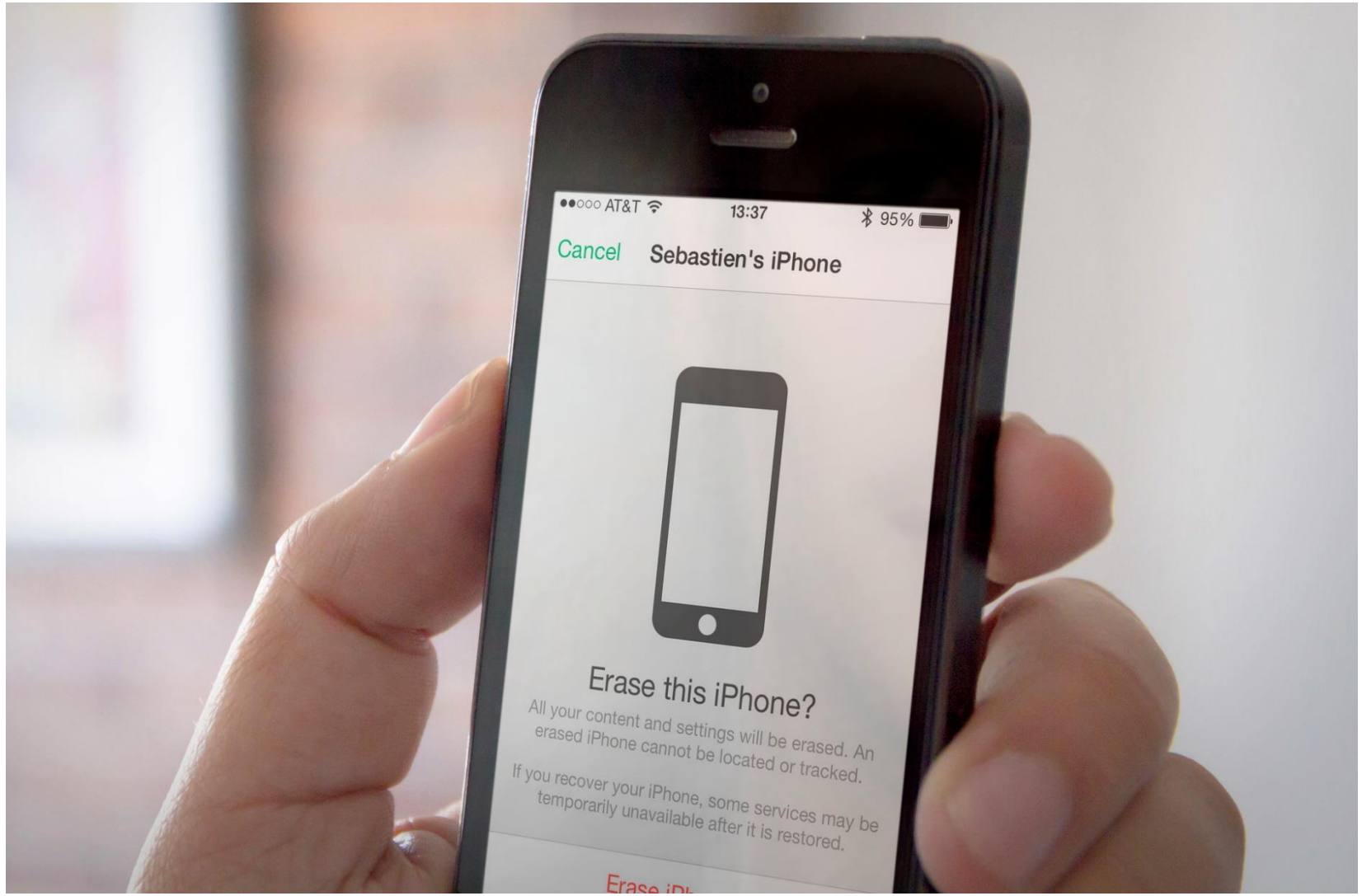
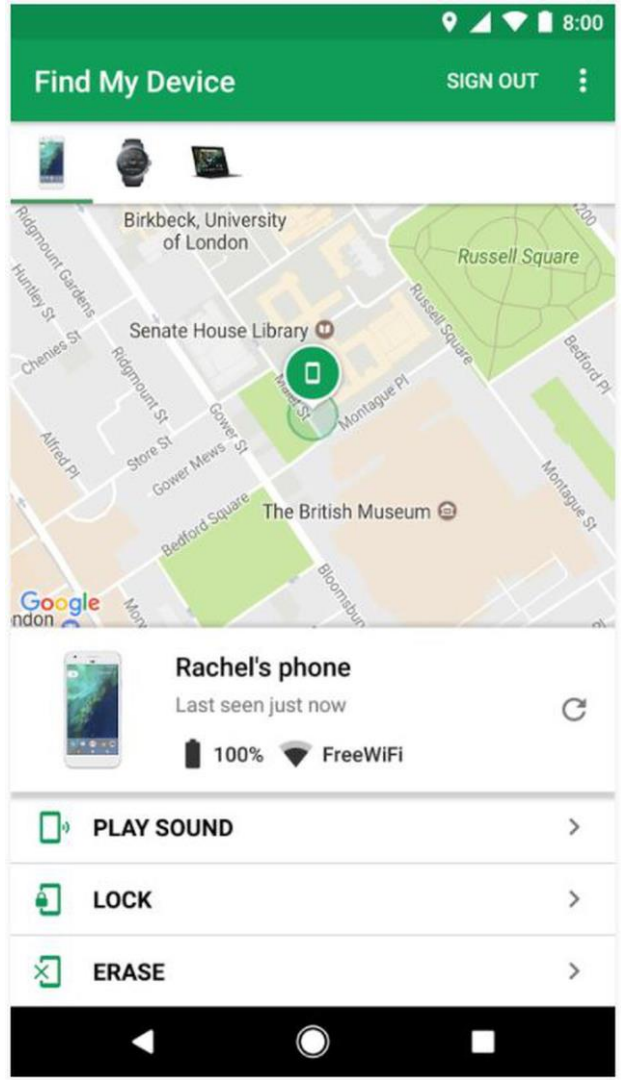
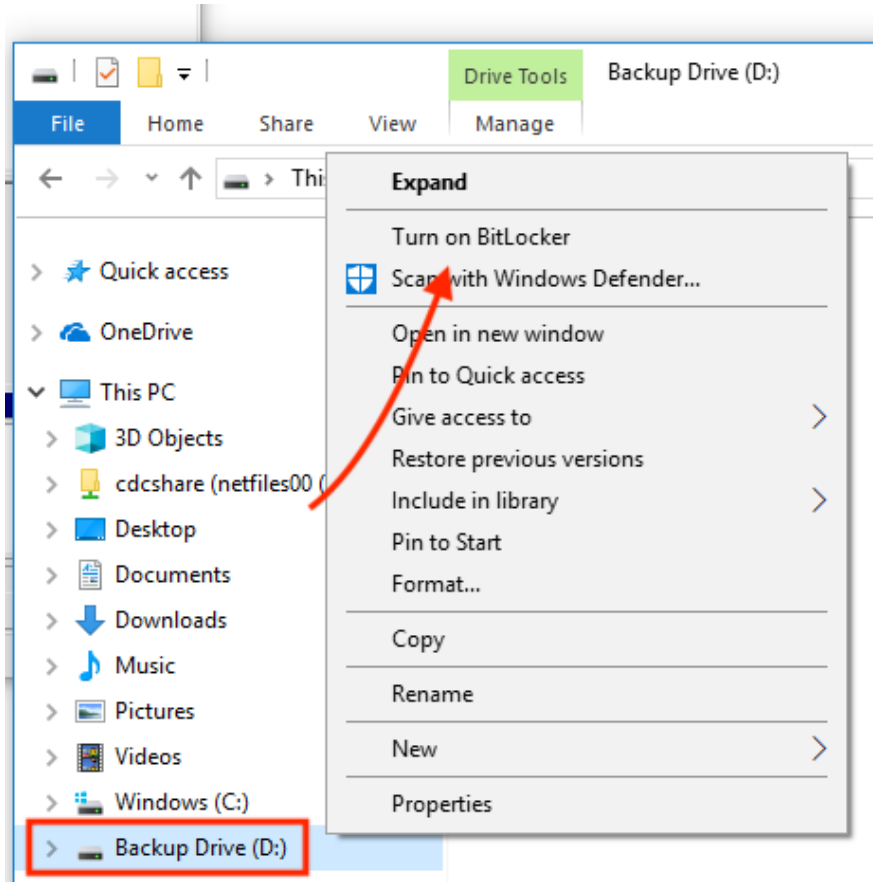
2015-08-29
2015-08-30


AT&T
13:37
95%
Cancel
Sebastien's iPhone
Erase this iPhone?
All your content and settings will be erased. An erased iPhone cannot be located or tracked.
If you recover your iPhone, some services may be temporarily unavailable after it is restored.

Encrypting
Wait while your phone is being encrypted. Time remaining: 06:30


8:00
Find My Device
SIGN OUT
Birkbeck, University of London
Russell Square
Senate House Library
Ridgmount Gardens
Huntley St
Chenies St
Ridgmount St
Gower St
Gower Mews
Store St
Alfred Pl
Tavistock St
Montague Pl
Russell Square
Bedford Pl
Montague St
Bedford Square
The British Museum
Google
Rachel's phone
Last seen just now
100%
FreeWiFi
PLAY SOUND
LOCK
ERASE

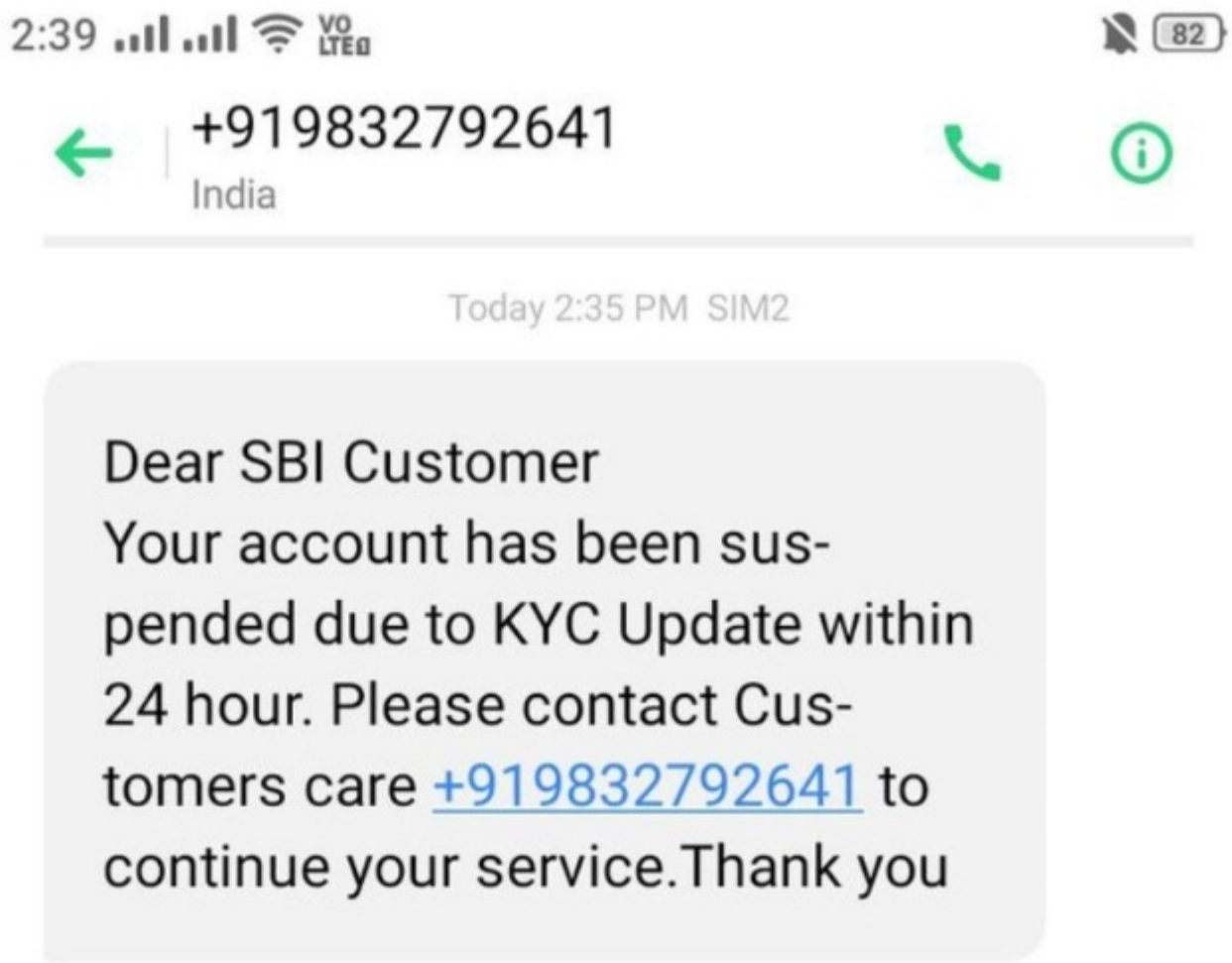

Drive Tools
Backup Drive (D:)
File
Home
Share
View
Manage
Expand
Turn on BitLocker
Scan with Windows Defender...
Open in new window
Pin to Quick access
Give access to
Restore previous versions
Include in library
Pin to Start
Format...
Copy
Rename
New
Properties
Quick access
OneDrive
This PC
3D Objects
cdcshare (netfiles00
Desktop
Documents
Downloads
Music
Pictures
Videos
Windows (C:)
Backup Drive (D:)

VeraCrypt +

Equals Secure Cloud Storage

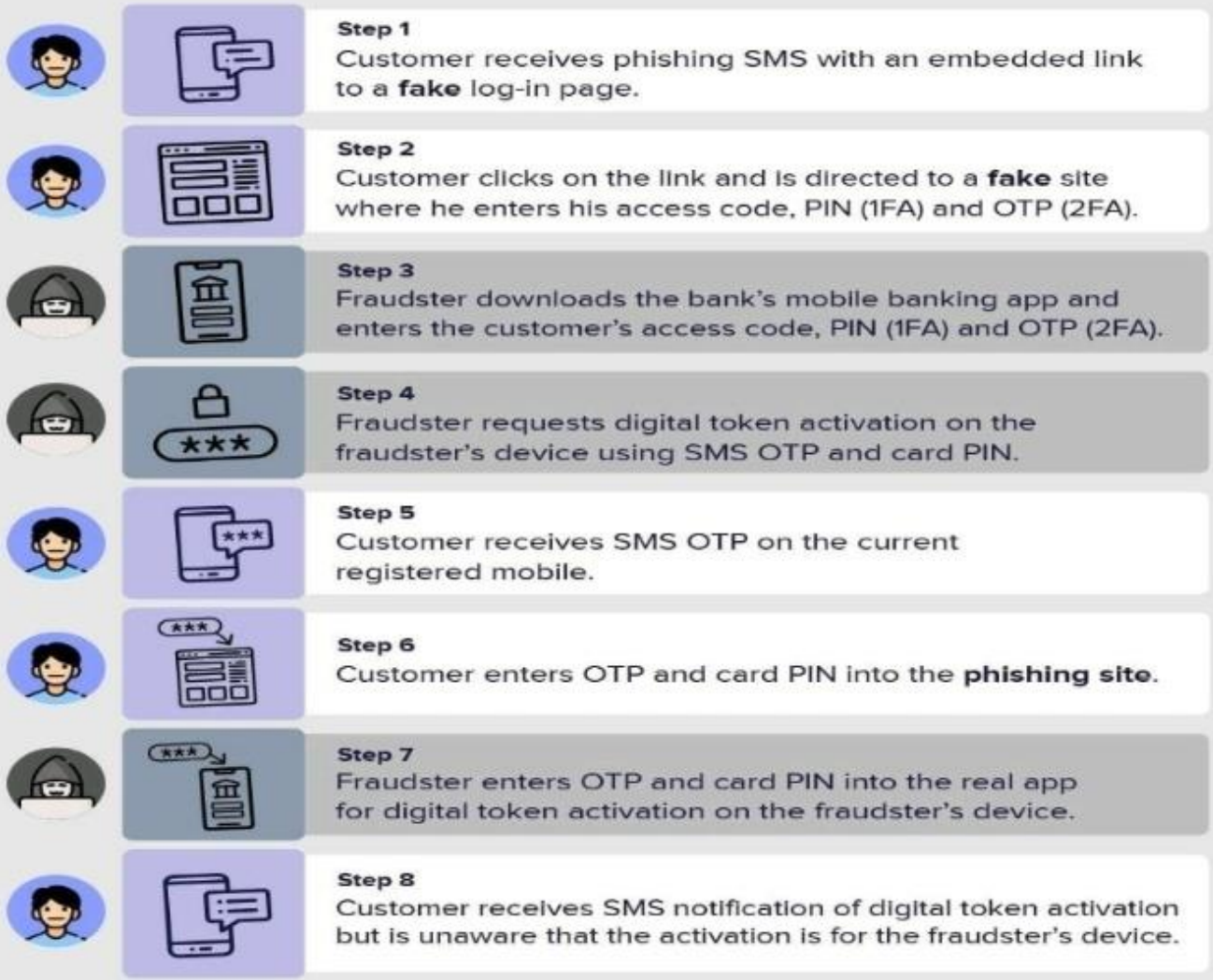
List of Payments Banks in India

- 1. Aditya Birla Nuvo
- 2. Airtel M Commerce Services
- 3. Cholamandalam Distribution Services
- 4. Department of Posts
- 5. FINO PayTech
- 6. National Securities Depository
- 7. Reliance Industries
- 8. Sun Pharmaceuticals
- 9. Paytm
- 10. Tech Mahindra
- 11.Vodafone M-Pesa


2:39
82
+919832792641
India
Today 2:35 PM SIM2
Dear SBI Customer
Your account has been suspended due to KYC Update within 24 hour. Please contact Customers care +919832792641 to continue your service.Thank you

today

HOW A FRAUDSTER TAKES CONTROL OF A BANK ACCOUNT



Step 1
Customer receives phishing SMS with an embedded link to a **fake** log-in page.

Step 2
Customer clicks on the link and is directed to a **fake** site where he enters his access code, PIN (1FA) and OTP (2FA).

Step 3
Fraudster downloads the bank's mobile banking app and enters the customer's access code, PIN (1FA) and OTP (2FA).

Step 4
Fraudster requests digital token activation on the fraudster's device using SMS OTP and card PIN.

Step 5
Customer receives SMS OTP on the current registered mobile.

Step 6
Customer enters OTP and card PIN into the **phishing site**.

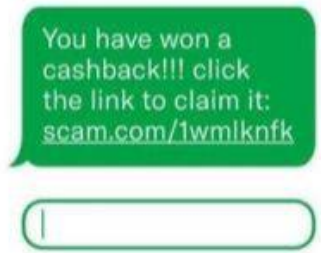
Step 7
Fraudster enters OTP and card PIN into the real app for digital token activation on the fraudster's device.

Step 8
Customer receives SMS notification of digital token activation but is unaware that the activation is for the fraudster's device.

Source: OCBC

The many faces of UPI frauds

Scamsters take advantage of UPI's simple features to fool users into inadvertently transferring money

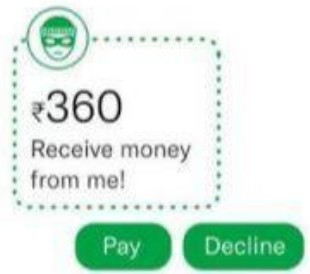


Cashback frauds

Clicking on links for cashback ends up with users paying money

QR code frauds

Scamsters get users to scan a QR code to receive money. In UPI, you scan a QR only to pay money



Collect request frauds

Cheaters convince users to accept the collect request and enter a UPI PIN, to receive money*

flipkert@okhdfc

+91 90029 19309

UPI ID spoofing

Scamsters change letters in a UPI ID of a legitimate or popular business to divert money

Fake website frauds

Fake websites are used to take orders via UPI. The goods are never delivered

Fake customer care frauds

Scamsters flood the internet with fake customer care numbers of UPI apps. Pretending to solve an issue, they swindle more

*In UPI, you enter a UPI PIN only to pay, not to receive

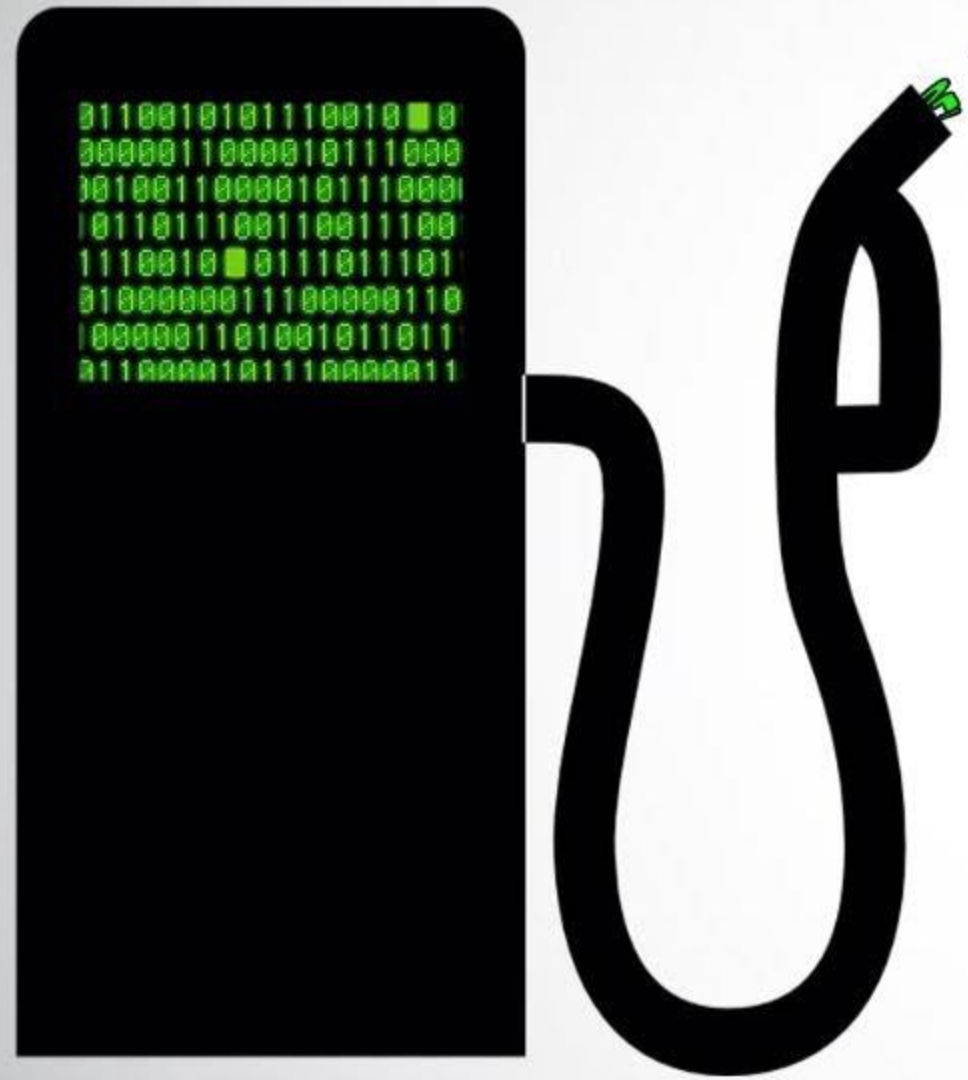
THE RISE OF CYBER-CRIME AS A SERVICE

Cybercrime as a-Service Is a Top Threat

Exploit kits (toolkits for hire that make cyber-crime easier by automating the creation and delivery of malware) remain the biggest threat. They account for 50% of the index.

CIO INSIGHT

SERVICE	BITCOIN (Typical price range listed along with the highest listed price)	USD (Typical price range listed along with the highest listed price)
HACKING WEB SERVER (VPS OR HOSTING)	0.034 - 0.0449, 0.47	$220 - $500, $3,000
SETTING UP KEYLOGGER	0.0263	$170
DDOS (PRICES MAY VARY)	0.0534, 0.078 - 0.39	$350, $500 - $2,500
HACKING PERSONAL COMPUTER	0.0364, 0.044 - 0.55	$280, $500 - $3,500
HACKING CELL PHONES	0.047 - 0.093	$300 - $600
EMAIL HACKING	0.078 - 0.12	$500 - $800
SOCIAL MEDIA ACCOUNT HACKING	0.0352, 0.054 - 0.11	$230, $350 - $700
CHANGE SCHOOL GRADES	0.19 - 0.58	$1,200 - $3,750
FUD RANSOMWARE + DECRYPTER	12 MO / 0.14 6 MO / 0.076 1 MO / 0.019	12 MO / $900 6 MO / $490 1 MO / $120



DATA

IS THE NEW OIL

amazon
UBER
Microsoft
Google
TESLA
David Parkins

Gadgets 360
An NDTV venture

Ads by G
Stop seeing this ad

Google Said to Pay Apple $15 Billion to Remain Default Search Engine on Safari in 2021

Google pays Apple enormous sums of money every year to stay the default search engine on iPhone, iPad, and Mac.

By Vineet Washington | Updated: 27 August 2021 15:06 IST

Share on Facebook | Tweet | Snapchat | Share | Reddit | Email | Comment

What Does Google Know About You?

Type of Data Google Collects	Apps/Products Used to Collect this Info

WHO YOU ARE

Name, Gender, Language	Signing up with Google
Facial Recognition	Google Photos
Voice recognition and recordings	Saying "Ok Google"
Religious and political beliefs	Tapping the microphone icon
Health and Fitness	Third-party apps
	Google Search
	Google Fit

YOUR LOCATION

Past, present and future locations	Google Maps
Location searches	Waze
Dates of location searches and navigation	
Mode of transportation	

COMMUNICATION

Contacts	Gmail
Conversations	Google Hangouts
Photos and Videos	Android devices
Plans and appointments	Google Calendar
Uploaded information	Google Drive

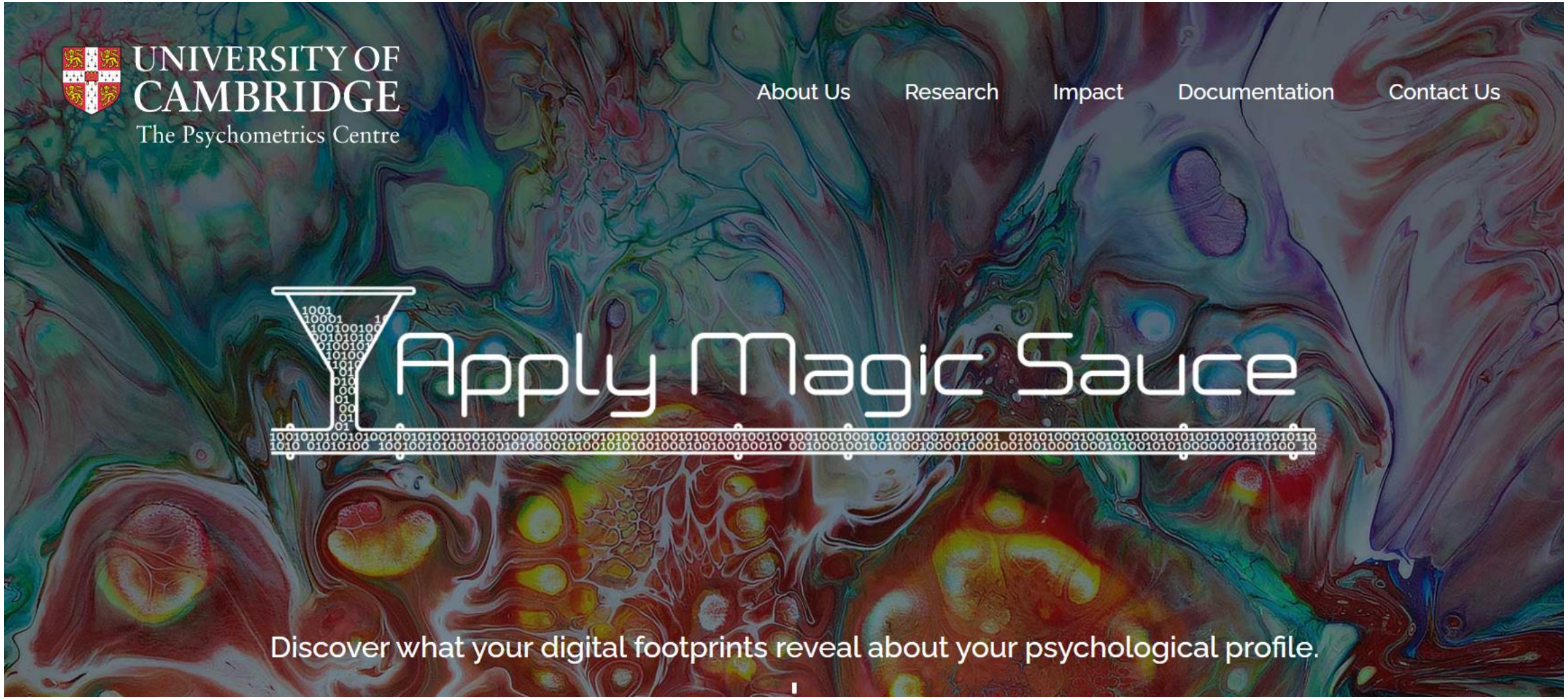
LIKES AND DISLIKES

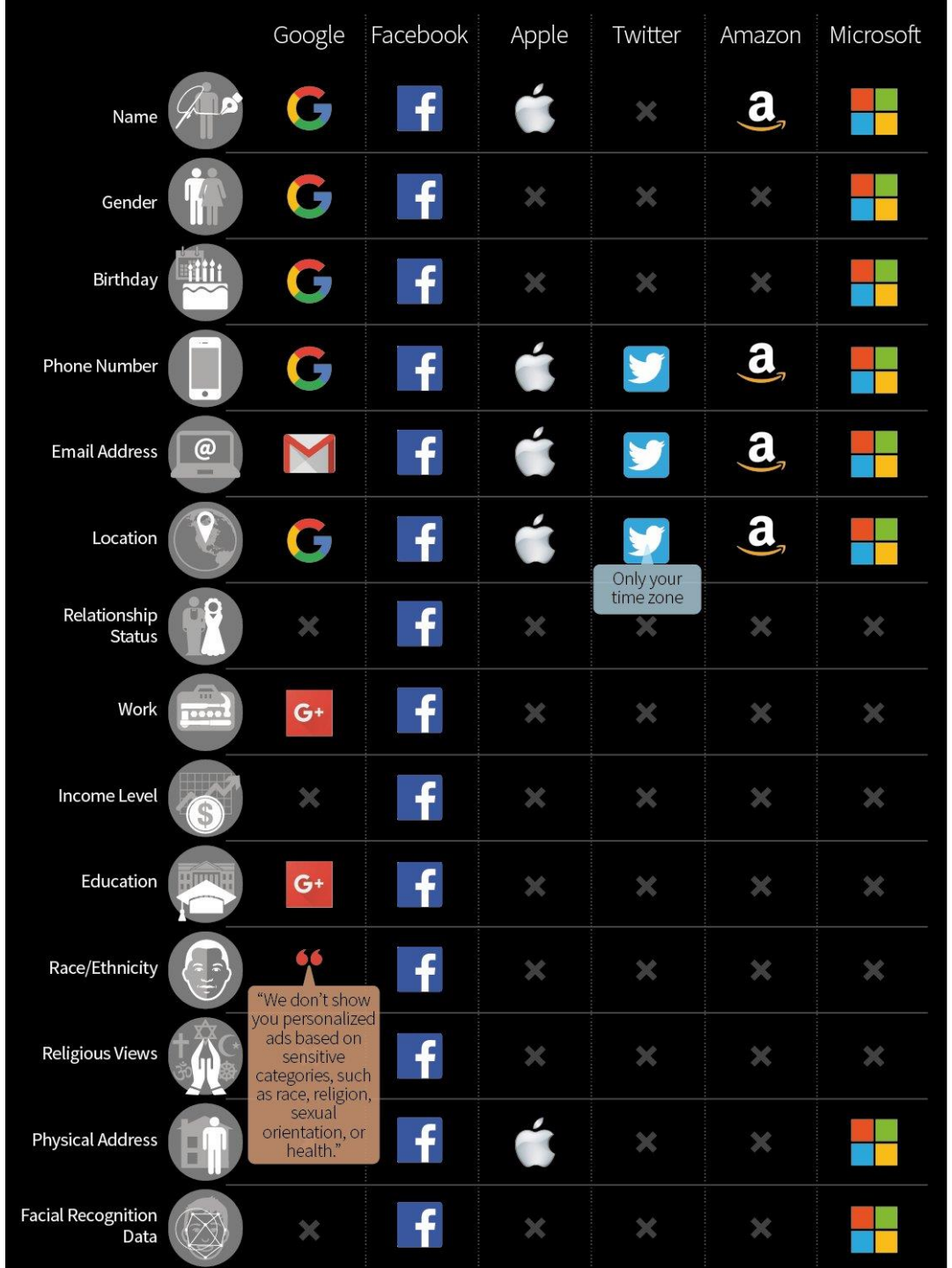
Searching for specific things	Google Search
Videos you search, watch and like/dislike	YouTube
Books you search and read	Google Books
News/stories you click on	Google News
Advertising you click on	Ads
Online shopping	Google Shopping

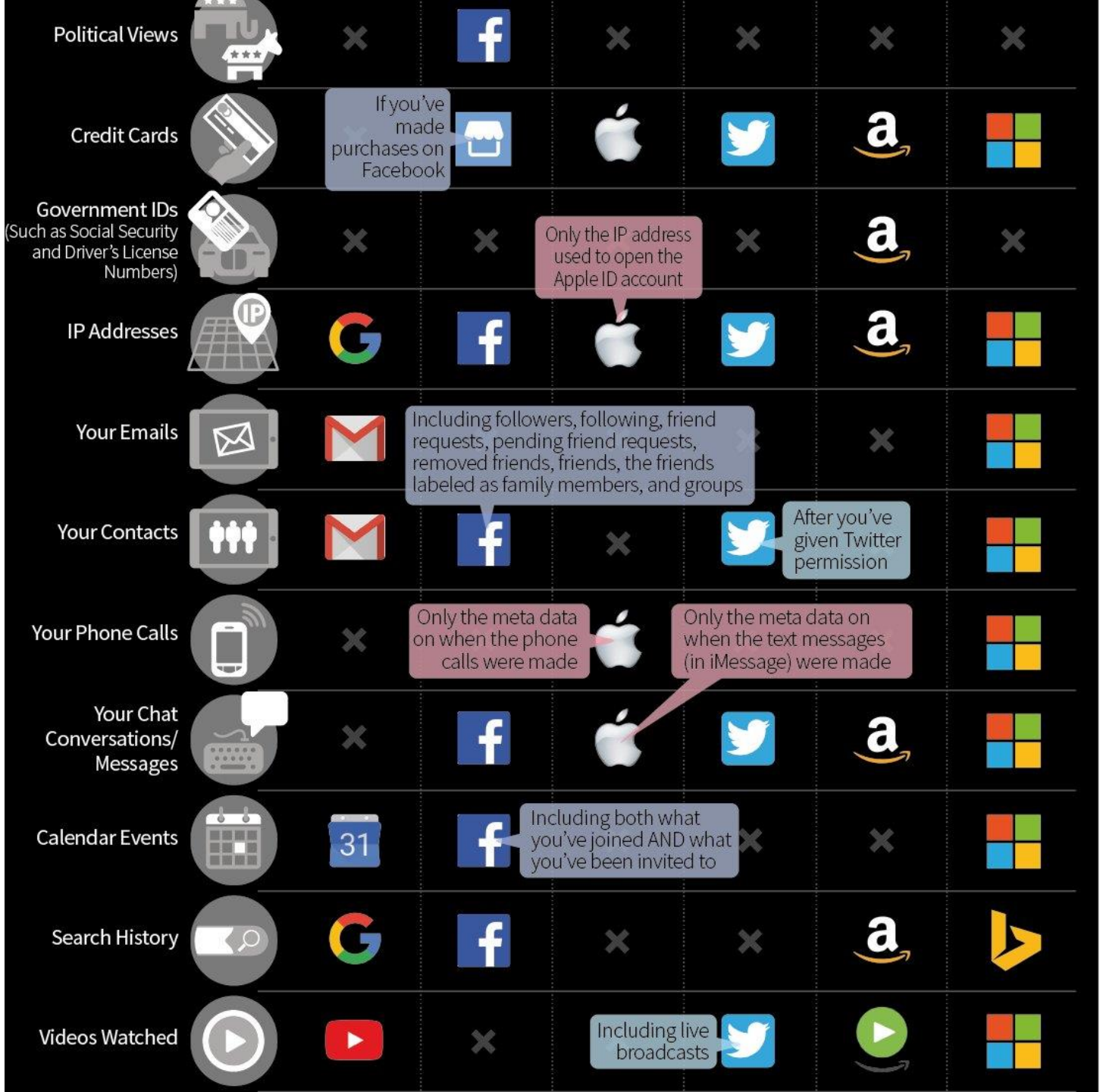
WEB ACTIVITY

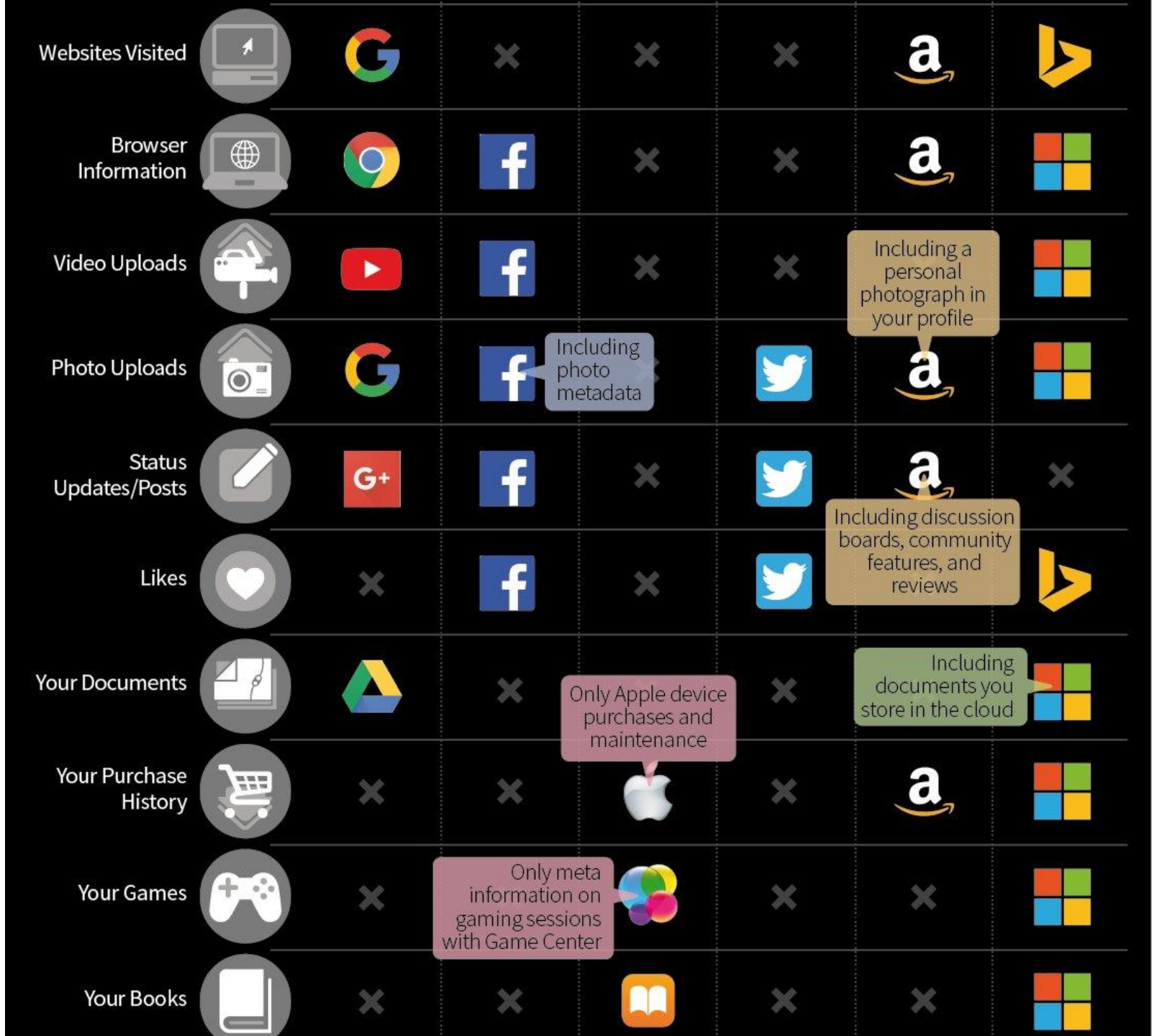
Website browser history	Google Chrome
Saved usernames and passwords	

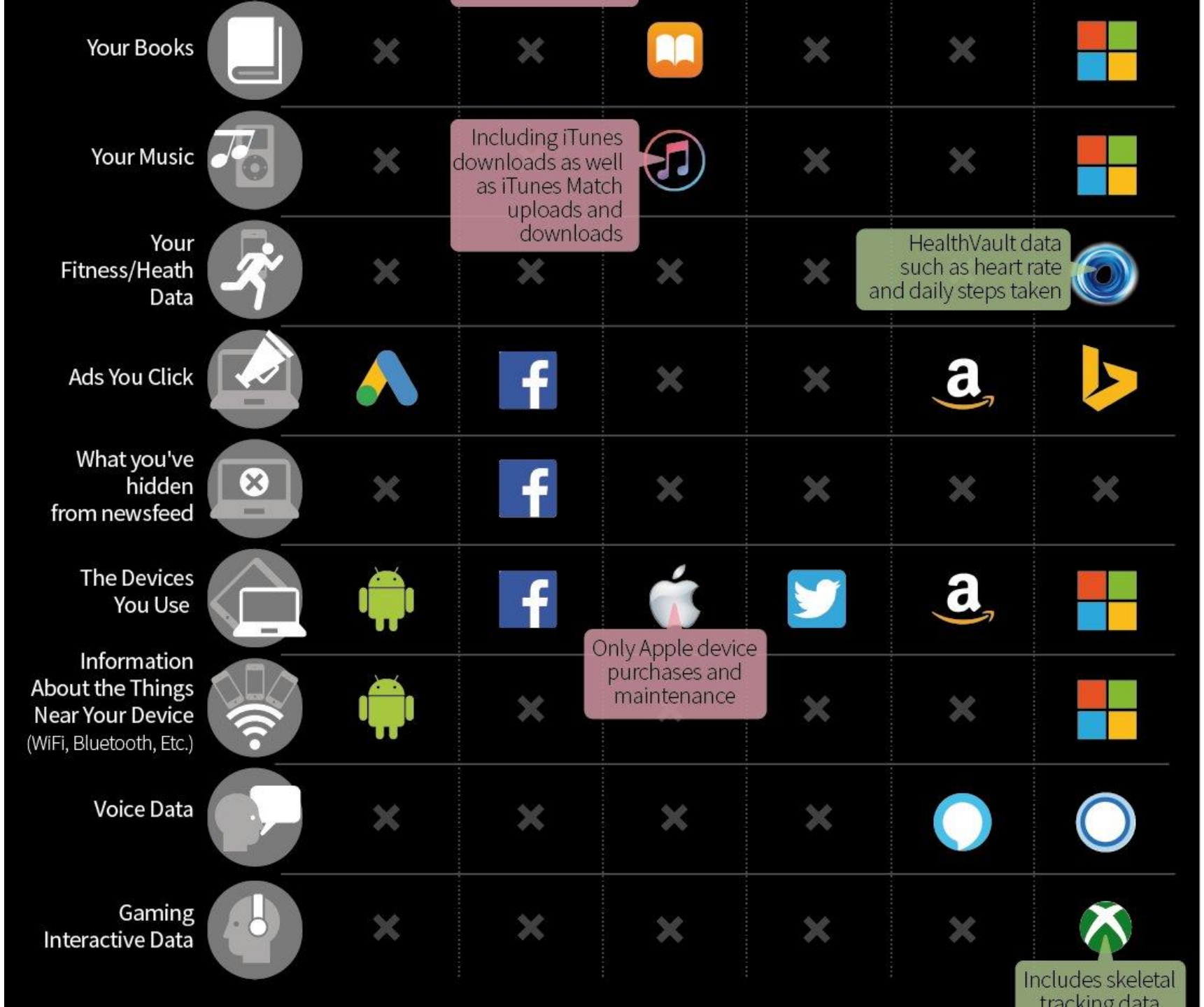
vpnMentor


UNIVERSITY OF CAMBRIDGE
The Psychometrics Centre
About Us
Research
Impact
Documentation
Contact Us
Apply Magic Sauce
Discover what your digital footprints reveal about your psychological profile.


Google
Facebook
Apple
Twitter
Amazon
Microsoft
Name
Gender
Birthday
Phone Number
Email Address
Location
Relationship Status
Work
Income Level
Education
Race/Ethnicity
Religious Views
Physical Address
Facial Recognition Data
Only your time zone
"We don't show you personalized ads based on sensitive categories, such as race, religion, sexual orientation, or health."


Political Views
Credit Cards
If you've made purchases on Facebook
Government IDs (Such as Social Security and Driver's License Numbers)
Only the IP address used to open the Apple ID account
IP Addresses
Your Emails
Including followers, following, friend requests, pending friend requests, removed friends, friends, the friends labeled as family members, and groups
Your Contacts
After you've given Twitter permission
Your Phone Calls
Only the meta data on when the phone calls were made
Only the meta data on when the text messages (in iMessage) were made
Your Chat Conversations/ Messages
Calendar Events
31
Including both what you've joined AND what you've been invited to
Search History
Videos Watched
Including live broadcasts


Websites Visited
Browser Information
Video Uploads
Photo Uploads
Status Updates/Posts
Likes
Your Documents
Your Purchase History
Your Games
Your Books
Including photo metadata
Including a personal photograph in your profile
Including discussion boards, community features, and reviews
Only Apple device purchases and maintenance
Including documents you store in the cloud
Only meta information on gaming sessions with Game Center


Your Books
Your Music
Including iTunes downloads as well as iTunes Match uploads and downloads
Your Fitness/Heath Data
HealthVault data such as heart rate and daily steps taken
Ads You Click
What you've hidden from newsfeed
The Devices You Use
Only Apple device purchases and maintenance
Information About the Things Near Your Device (WiFi, Bluetooth, Etc.)
Voice Data
Gaming Interactive Data
Includes skeletal tracking data

Decoding the data protection bill

WHAT IT MEANS FOR CONSUMERS

- **DATA** can be processed or shared by any entity only after consent.
- **SAFEGUARDS**, including penalties, introduced to prevent misuse of personal data.
- **ALL** data to be categorized under three heads—general, sensitive and critical.

THE GOVERNMENT & REGULATORY ROLE

- **GOVT** will have the power to obtain any user's non-personal data from companies.
- **THE** bill mandates that all financial and critical data has to be stored in India.
- **SENSITIVE** data has to be stored in India but can be processed outside with consent.

WHAT COMPANIES HAVE TO DO

- **SOCIAL** media firms to formulate a voluntary verification process for users.
- **SHARING** data without consent will entail a fine of ₹15 crore or 4% of global turnover.
- **DATA** breach or inaction will entail a fine of ₹5 crore or 2% of global turnover.

Source: Mint research

TELANGANA IMPOSES
10-DAY LOCKDOWN

Hacking is the new Normal

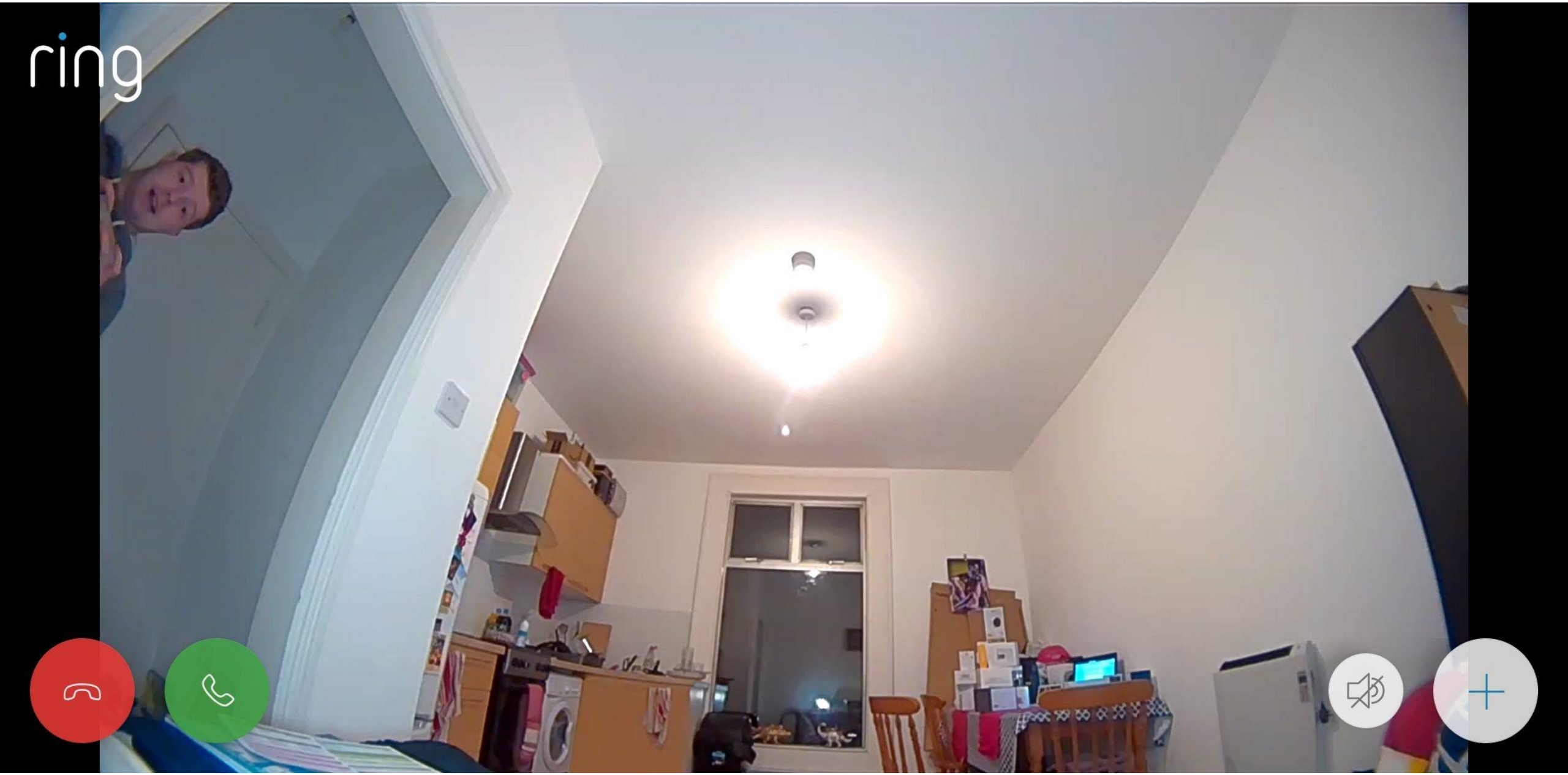
Sanjay Sahay

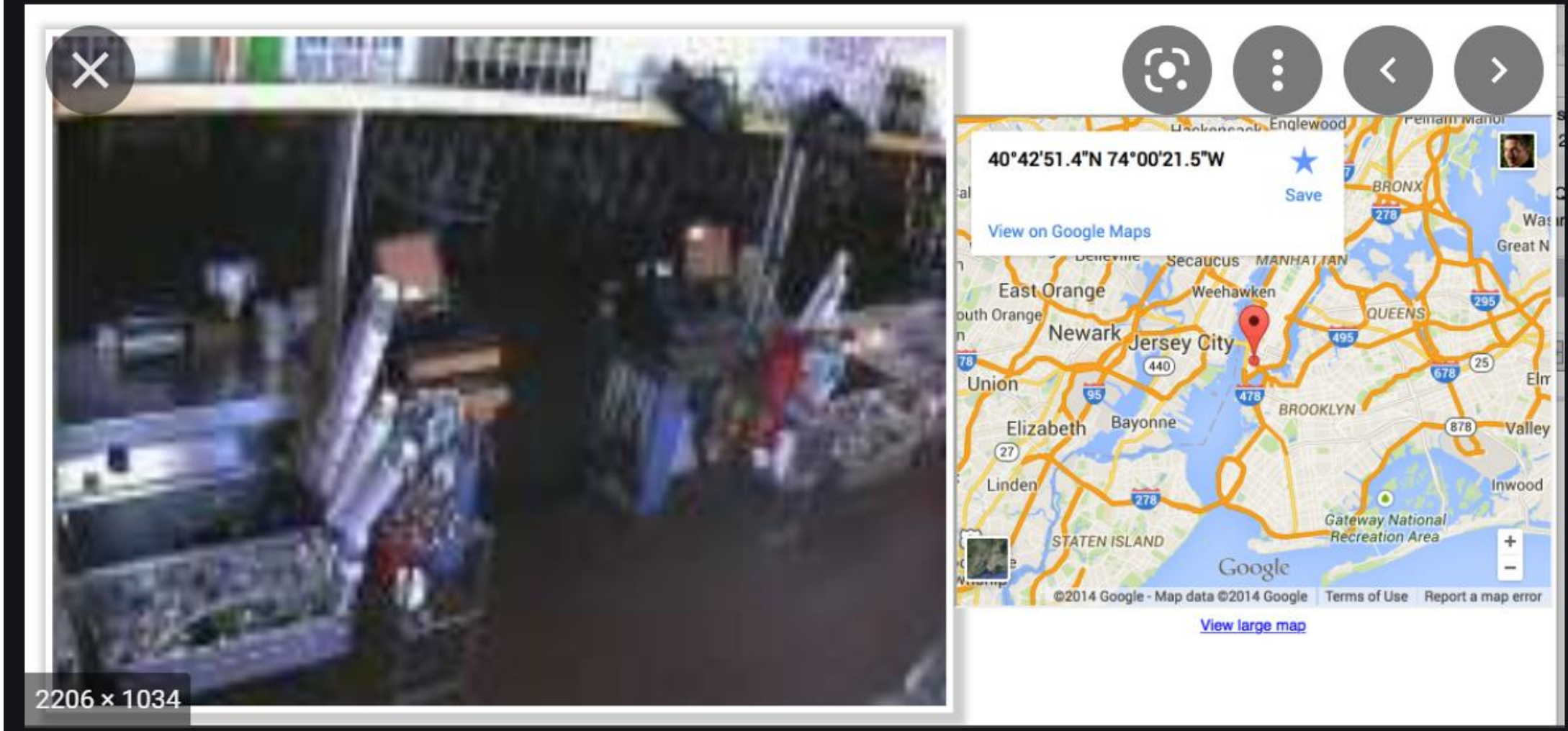
Edmond Locard's (Sherlock Holmes of France) Principle

Every contact by a criminal leaves behind a trace.

Buzzle.com

From Landline Hacking to Cryptojacking


ring



TechCrunch

Insecam Displays Unsecured Webcams From Around The World | TechCrunch

Visit

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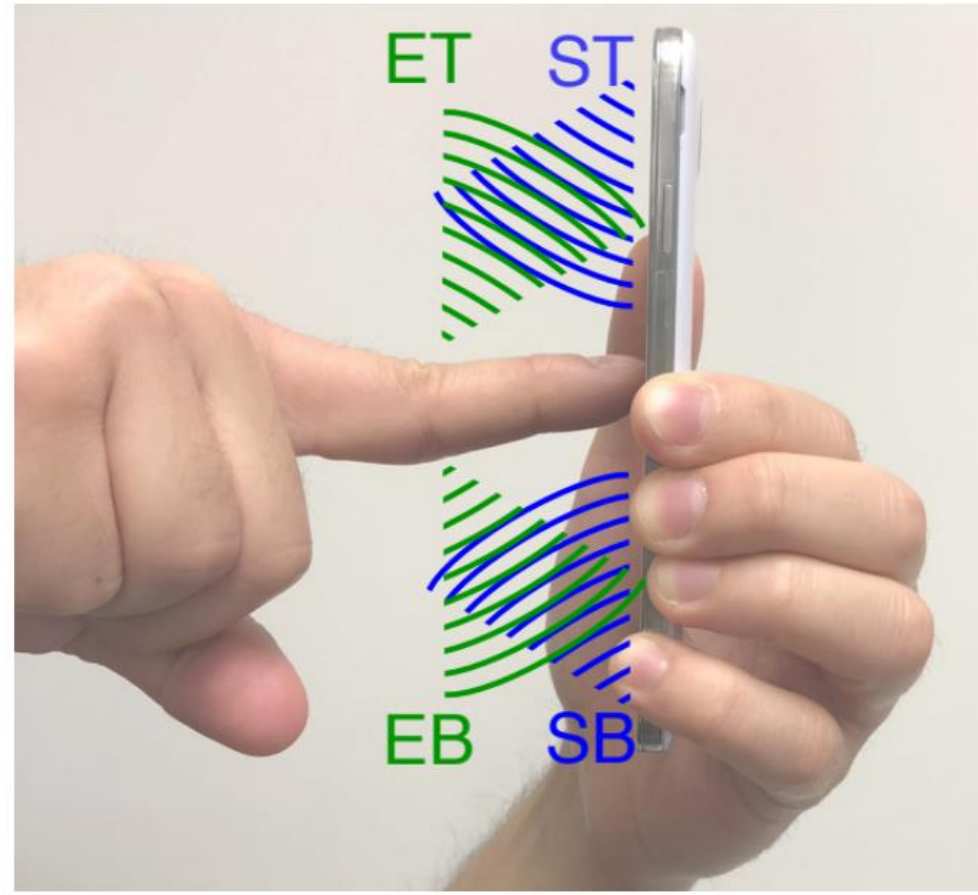
SonarSnoop Acoustic Side-Channel Attack Can Steal Touchscreen Interactions

By **Ionut Ilascu**

August 31, 2018 10:50 AM 2



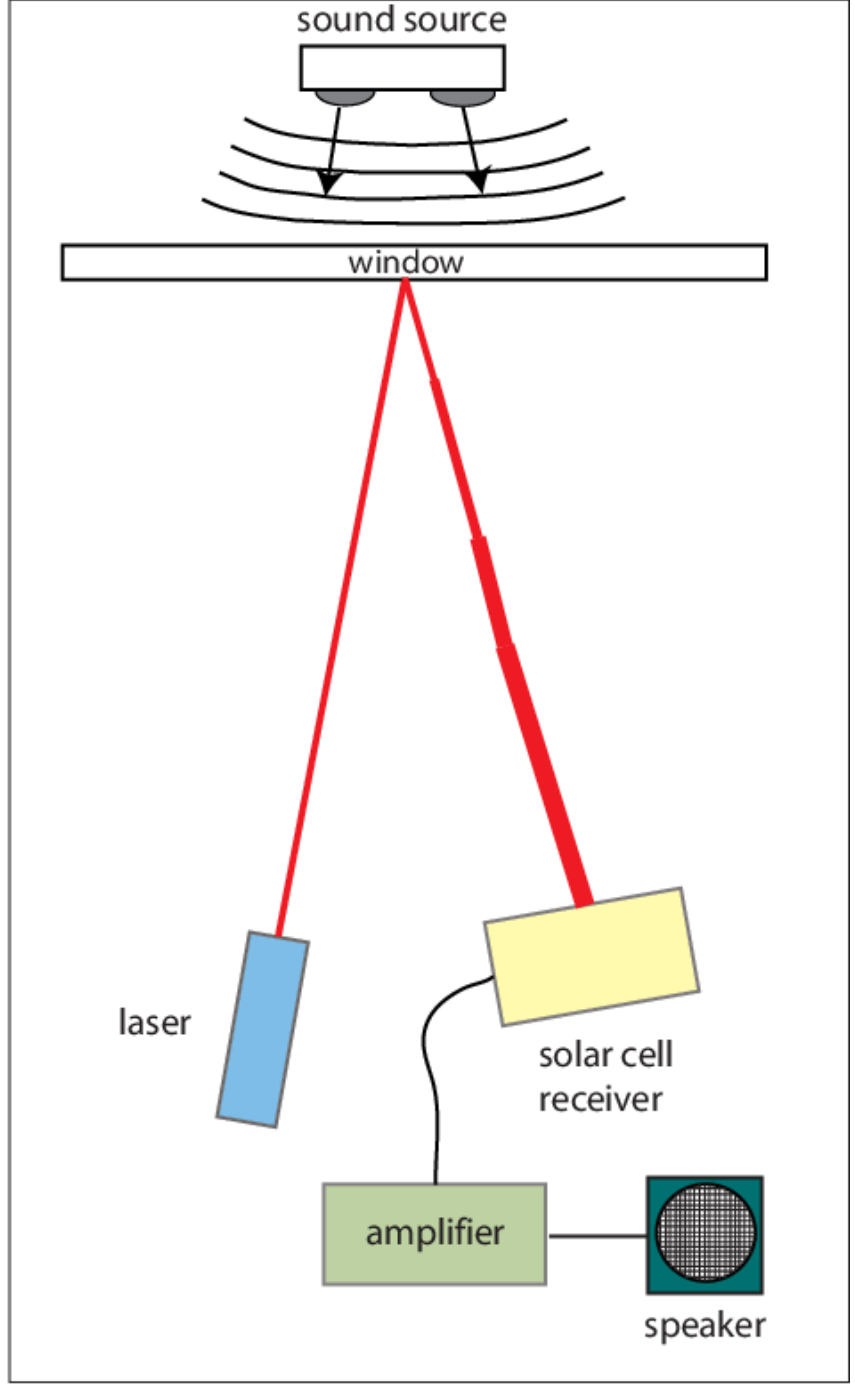
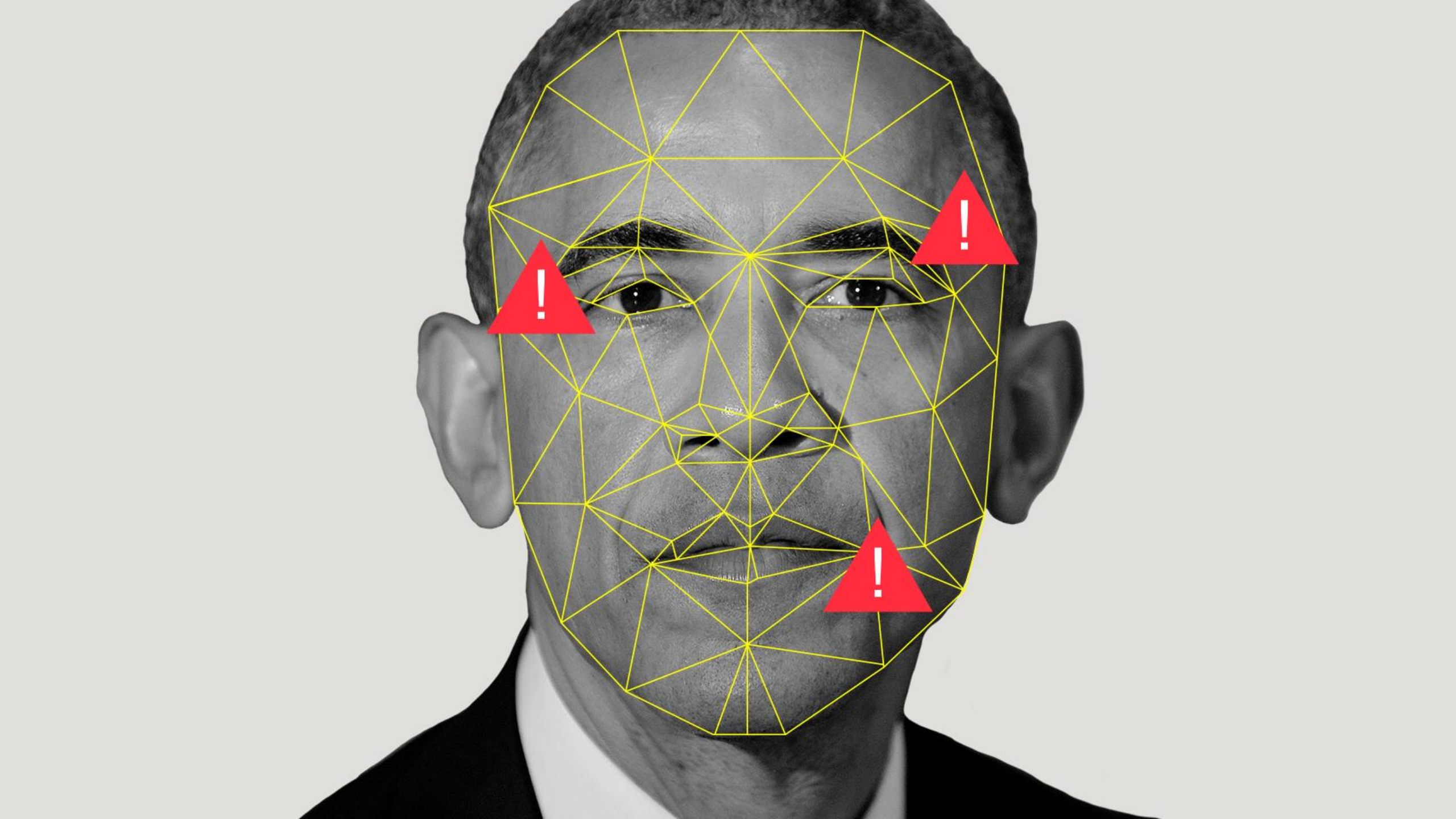


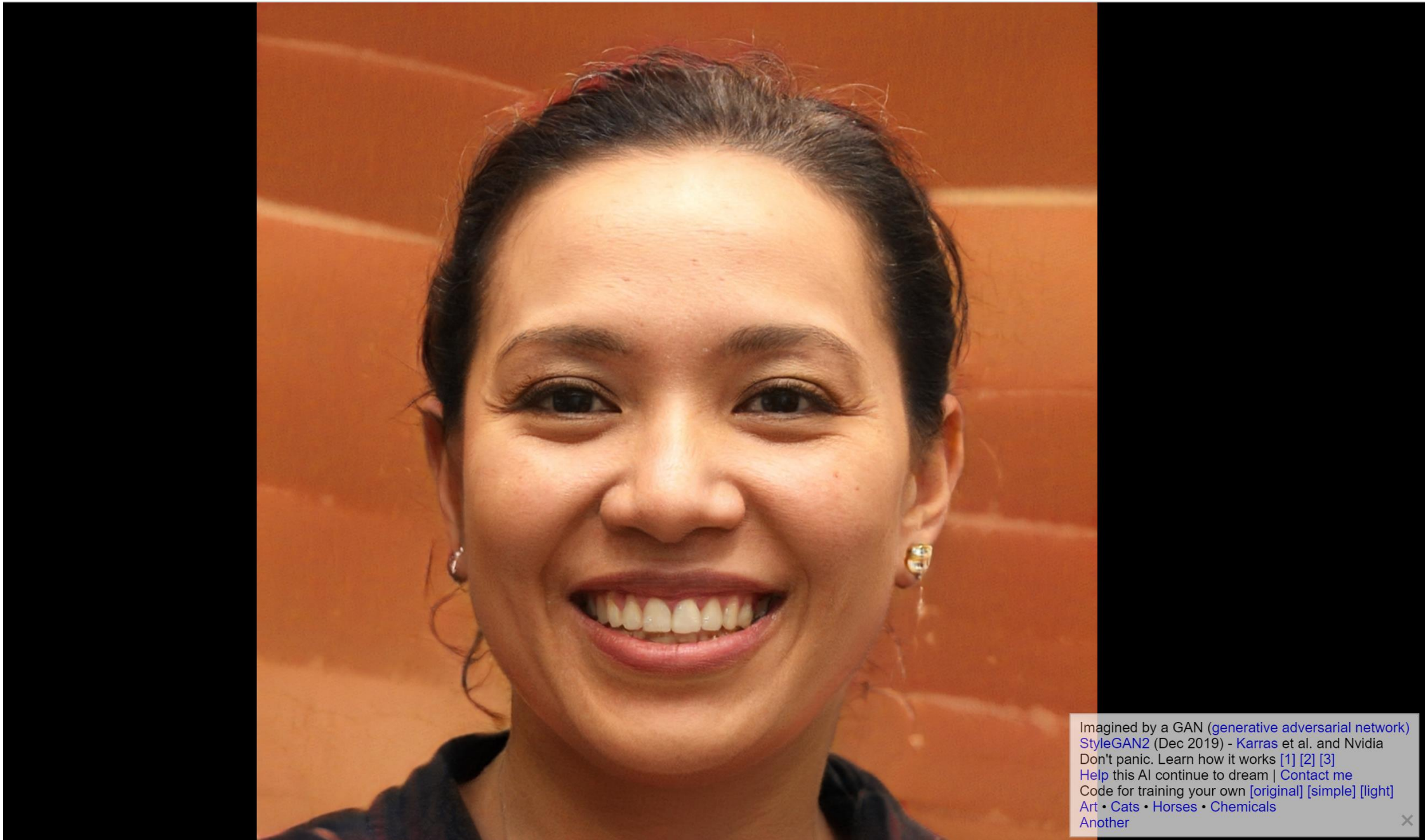
Fig. 1. A schematic of the laser micro-



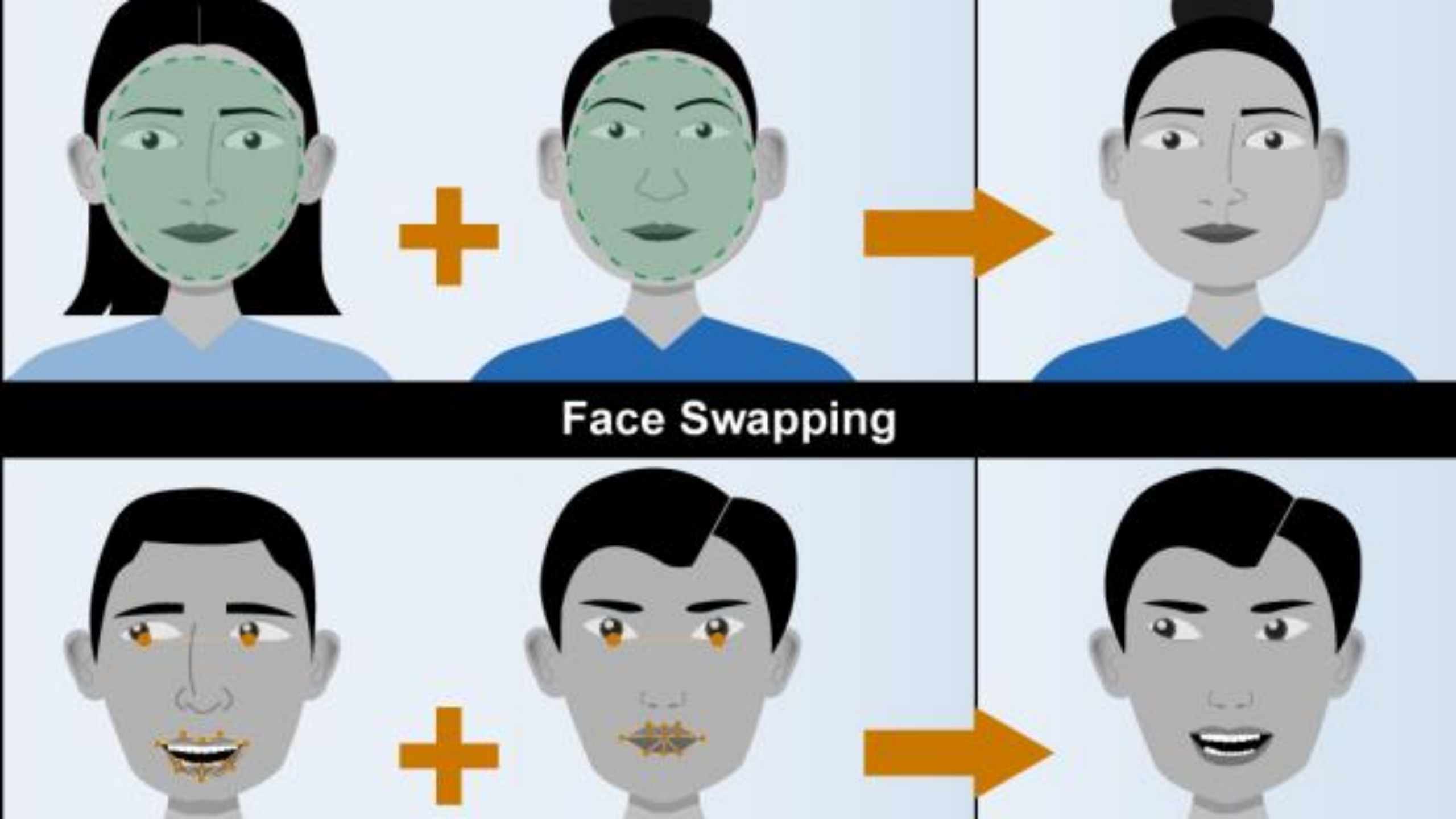
YOUTUBE.COM/EATINGTHINGS

thispersondoesnotexist.com

YouTube Maps News Guide: How to Start... Image may contain:... Epilogue - annanth... Reading list



Imagined by a GAN (generative adversarial network)
StyleGAN2 (Dec 2019) - Karras et al. and Nvidia
Don't panic. Learn how it works [1] [2] [3]
Help this AI continue to dream | Contact me
Code for training your own [original] [simple] [light]
Art • Cats • Horses • Chemicals
Another


Face Swapping

deepfakesweb.com

Apps YouTube Maps News Guide: How to Start... Image may contain:... Epilogue - annanth...

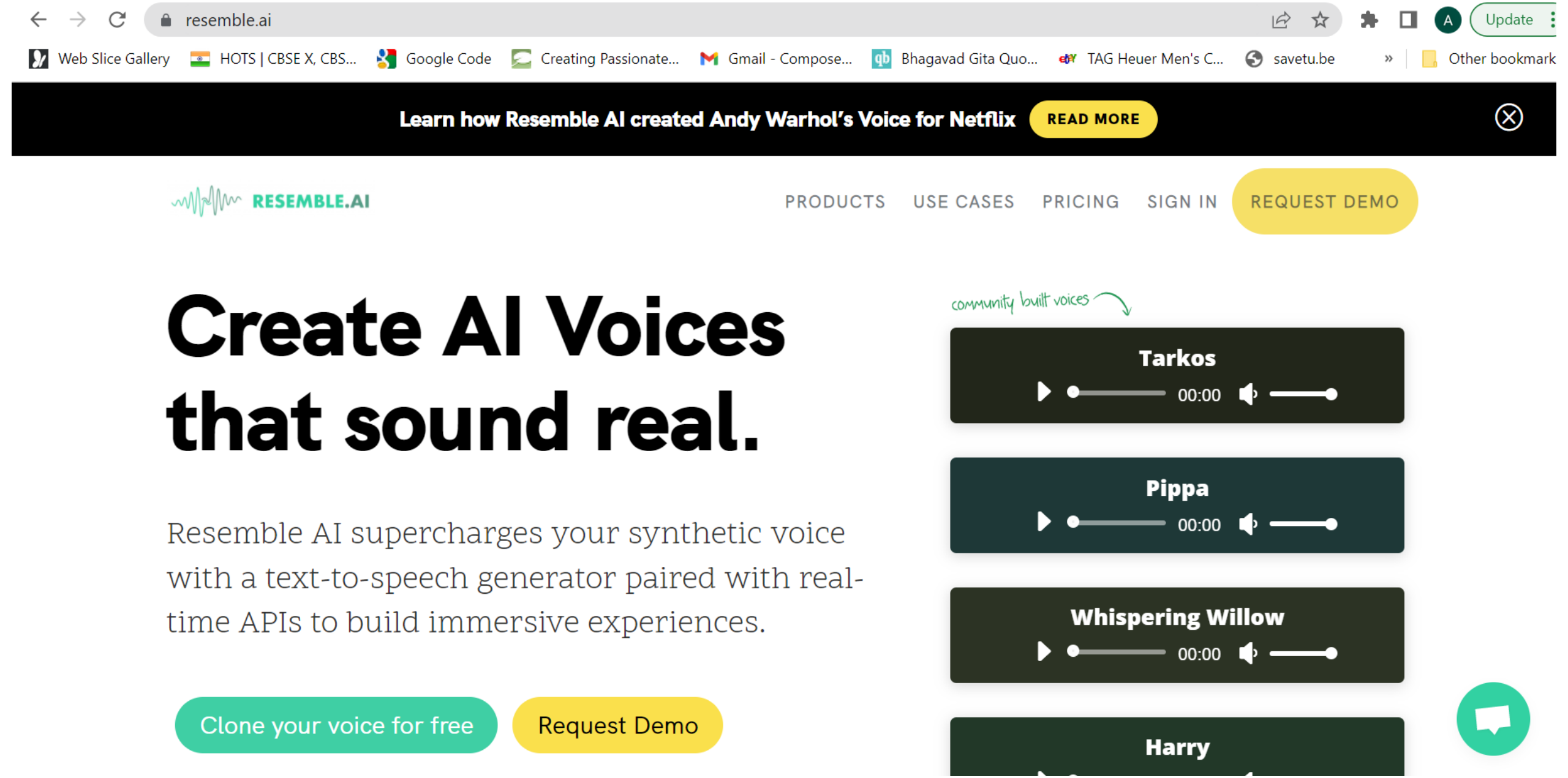
DEEPFAKES WEB

Celebrity Deepfakes Premium Sign up Log in 日本語

Online Deepfake Maker

Deepfake App to swap faces using AI.

Create a Deepfake Video


resemble.ai
Update
Web Slice Gallery
HOTS | CBSE X, CBS...
Google Code
Creating Passionate...
Gmail - Compose...
Bhagavad Gita Quo...
TAG Heuer Men's C...
savetu.be
Other bookmark
Learn how Resemble AI created Andy Warhol's Voice for Netflix
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PRICING
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REQUEST DEMO
Create AI Voices that sound real.
Resemble AI supercharges your synthetic voice with a text-to-speech generator paired with real-time APIs to build immersive experiences.
Clone your voice for free
Request Demo
community built voices
Tarkos
00:00
Pippa
00:00
Whispering Willow
00:00
Harry

I
have
a
Question!

For Gentlemen:

Whenever you receive a friend request from a beautiful girl whom you do not know, do not accept **him**.

For Ladies:

Whenever you receive a friend request from a handsome man whom you do not know, do not accept **him**.

SEXTORTION
Fantasy
Reality

facebook.com/safety/notwithoutmyconsent/

Update

Web Slice Gallery | HOTS | CBSE X, CBS... | Google Code | Creating Passionate... | Gmail - Compose... | Bhagavad Gita Quo... | TAG Heuer Men's C... | savetu.be | Other bookmarks

Not without my consent

Responding to intimate images shared without permission

When someone shares your intimate images without your consent or is threatening to do so, or threatening to reveal your intimate images unless you meet specific demands, it can be upsetting and overwhelming. It also goes against our policies. It may be hard to know what to do next. Learning more about what steps you can take can be helpful. Here you will find access to organisations and resources to support you, as well as steps that you can take to remove the images from our platform and prevent them from being shared or re-shared.

Friend or Foe?

- Easy to fake online persona
- Predators adapting to Social Networks
- Practice of “Sextortion” includes using digital content for blackmail

15-year-old girl on Facebook

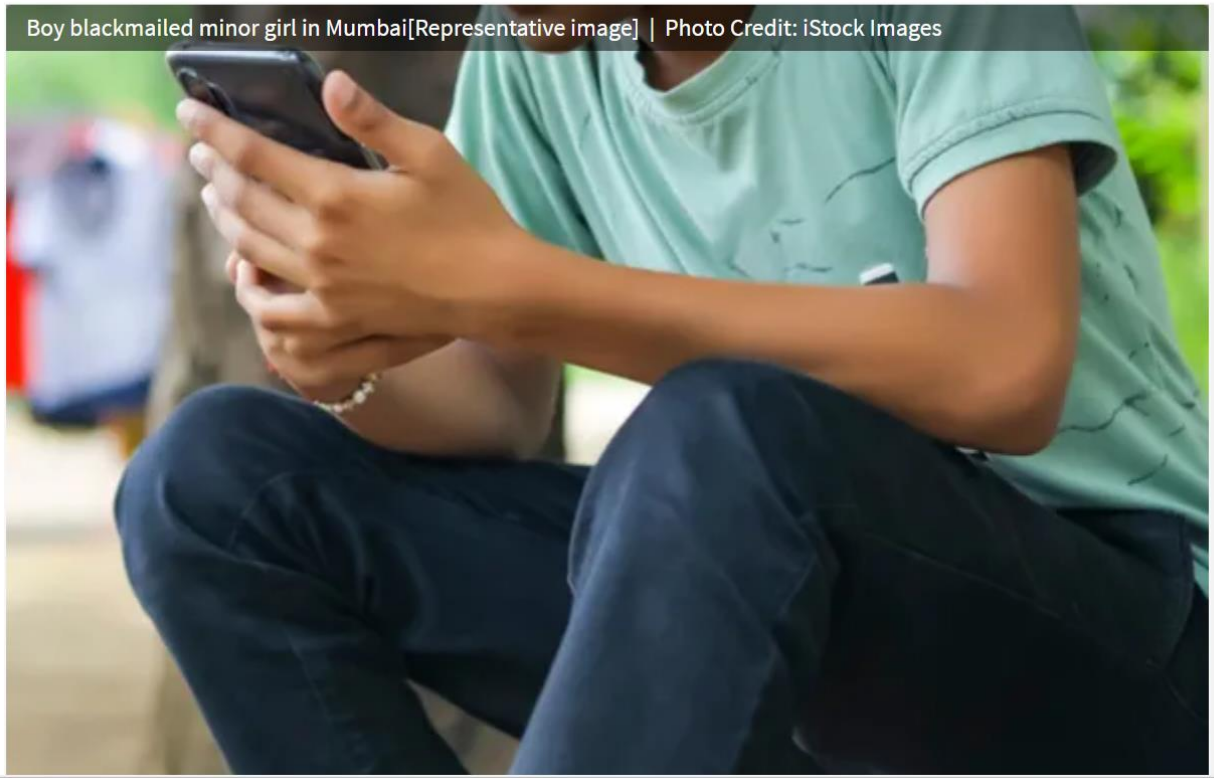
Mumbai: 13-year-old boy films 14-year-old schoolgirl's obscene video, blackmails her

Mumbai News

Mirror Now Digital

Updated Feb 06, 2021 | 11:47 IST

The boy, using the obscene video, blackmailed the girl into stripping on multiple occasions. When she blocked him on Instagram, he sent the video to one of her friends.



Boy blackmailed minor girl in Mumbai[Representative image] | Photo Credit: iStock Images

KEY HIGHLIGHTS

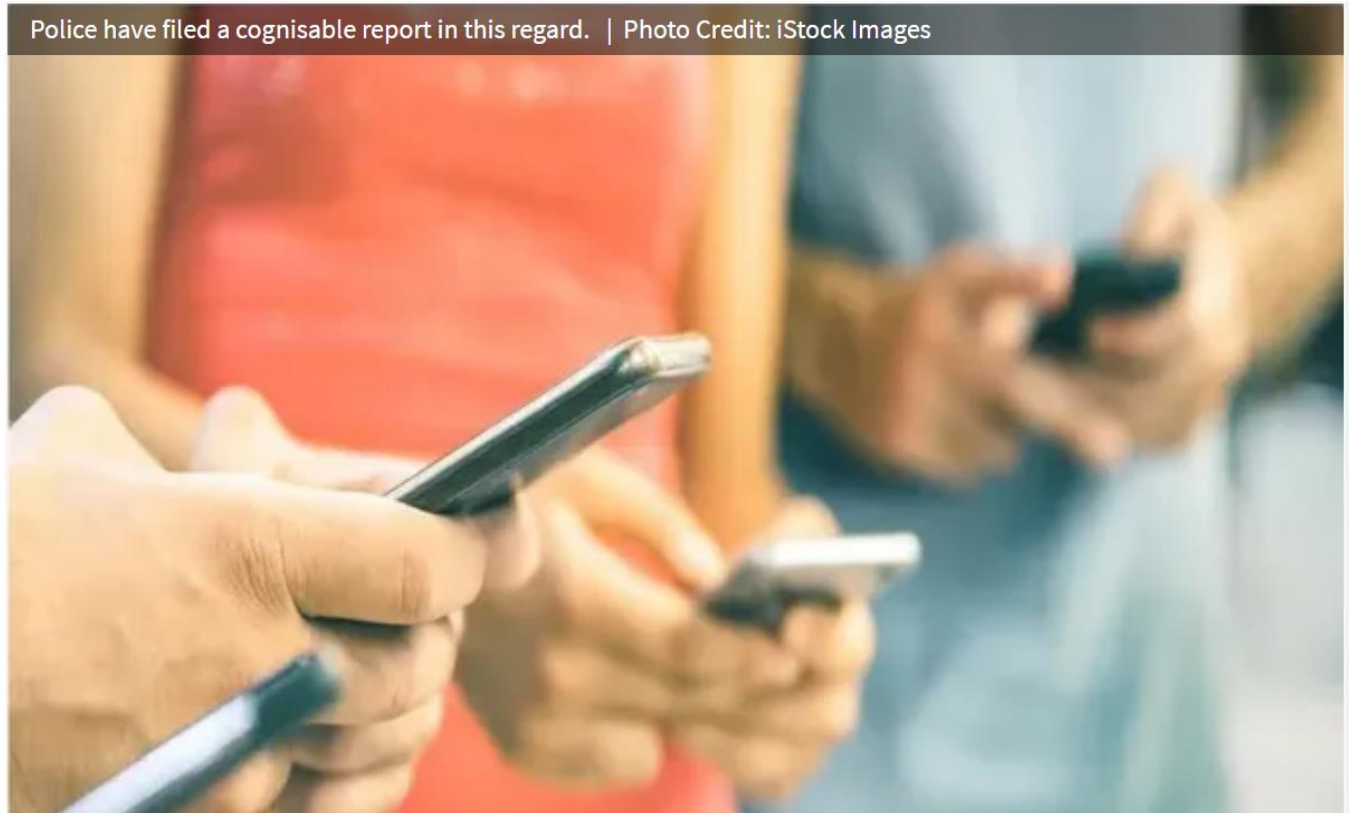
- The boy told the girl to strip as a task while playing the 'truth or dare' game.
- He, without the knowledge of the girl, shot a video using the screen-recording feature of his high-end mobile phone.
- His highly-educated parents were shocked when they came to know about his shameful act.

Karnataka: Teen uncovers father's extramarital affair while doing online classes on his phone

India

Mirror Now Digital
Updated Dec 08, 2020 | 13:36 IST

The matter came to light when the Mandya man gave his phone to his daughter for doing her class 12 online classes and she found out about his intimate videos with a woman.



Police have filed a cognisable report in this regard. | Photo Credit: iStock Images

KEY HIGHLIGHTS

- Police have filed a cognisable report in this regard.
- Cops say the man can't be prosecuted for adultery since it has been decriminalised.

NAME	Hidden Screen Recorder	Keylogger	Surround Recorder	Social Media Tracker
MOCO SPY	✓	✓	✓	✓
Qustodio	✓	✗	✗	✓
Caretaker	✓	✗	✓	✗
kaspersky	✗	✓	✗	✗

EARLY CHILDHOOD
eC
CONTENT RATED BY
ESRB
EVERYONE
E
CONTENT RATED BY
ESRB
EVERYONE 10+
E
10+
CONTENT RATED BY
ESRB
TEEN
T
CONTENT RATED BY
ESRB
MATURE 17+
M
CONTENT RATED BY
ESRB
ADULTS ONLY 18+
AO
CONTENT RATED BY
ESRB
RATING PENDING
RP
Visit www.esrb.org or call
1-800-771-3772 for more info.
CONTENT RATED BY
ESRB
KIDS TO ADULTS
TM
K-A
CONTENT RATED BY
ESRB

CYBER
LAW
?

List of offences and the corresponding penalties:[7][8]

Section	Offence	Penalty
65	Tampering with computer source documents	Imprisonment up to three years, or/and with fine up to ₹200,000
66	Hacking with computer system	Imprisonment up to three years, or/and with fine up to ₹500,000
66B	Receiving stolen computer or communication device	Imprisonment up to three years, or/and with fine up to ₹100,000
66C	Using password of another person	Imprisonment up to three years, or/and with fine up to ₹100,000
66D	Cheating using computer resource	Imprisonment up to three years, or/and with fine up to ₹100,000
66E	Publishing private images of others	Imprisonment up to three years, or/and with fine up to ₹200,000
66F	Acts of cyberterrorism	Imprisonment up to life.
67	Publishing information which is obscene in electronic form.	Imprisonment up to five years, or/and with fine up to ₹1,000,000
67A	Publishing images containing sexual acts	Imprisonment up to seven years, or/and with fine up to ₹1,000,000
67B	Publishing child porn or predating children online	Imprisonment up to five years, or/and with fine up to ₹1,000,000 on first conviction. Imprisonment up to seven years, or/and with fine up to ₹1,000,000 on second conviction.
67C	Failure to maintain records	Imprisonment up to three years, or/and with fine.
68	Failure/refusal to comply with orders	Imprisonment up to 2 years, or/and with fine up to ₹100,000
69	Failure/refusal to decrypt data	Imprisonment up to seven years and possible fine.
70	Securing access or attempting to secure access to a protected system	Imprisonment up to ten years, or/and with fine.
71	Misrepresentation	Imprisonment up to 2 years, or/and with fine up to ₹100,000
72	Breach of confidentiality and privacy	Imprisonment up to 2 years, or/and with fine up to ₹100,000
72A	Disclosure of information in breach of lawful contract	Imprisonment up to 3 years, or/and with fine up to ₹500,000
73	Publishing electronic signature certificate false in certain particulars	Imprisonment up to 2 years, or/and with fine up to ₹100,000
74	Publication for fraudulent purpose	Imprisonment up to 2 years, or/and with fine up to ₹100,000

zoom
BOMBING

Zoom Meeting ID: 623-397-855
Speaker View
Hunter Walk
JoshBookRetina
Liz Eswein
Pasha Karasev
Erik Berlin
Paul
mliu
Courtney Nash
forrestbrown
Peter Pham
1/4
Anisha Sunkerneni
NickHallam
John-Henry Scherck
Casey
1/4
stevenlevy
Sarah Frier
MYKIGAI
Toni Cowan-Brown
Shira Ovide

67	Publishing information which is obscene in electronic form.	Imprisonment up to five years, or/and with fine up to ₹1,000,000
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FORWARDING A MESSAGE IS
EQUAL TO ACCEPTING THE MESSAGE
AND ENDORSING THE MESSAGE
- MADRAS HIGH COURT
financialexpress.com

Ransomware Protection Tips

- Don’t click links in emails
- Scan emails for malware
- Firewalls and endpoint protections
- Notify users of out-of-network emails
- Keep current data backups
- Protect your information

nomoreransom.org/en/index.html

Apps YouTube Maps News Guide: How to Start... Image may contain:... Epilogue - annanth... Reading list

NO MORE RANSOM

Partners About the Project English

Home Crypto Sheriff Ransomware: Q&A Prevention Advice

Decryption Tools Report a Crime

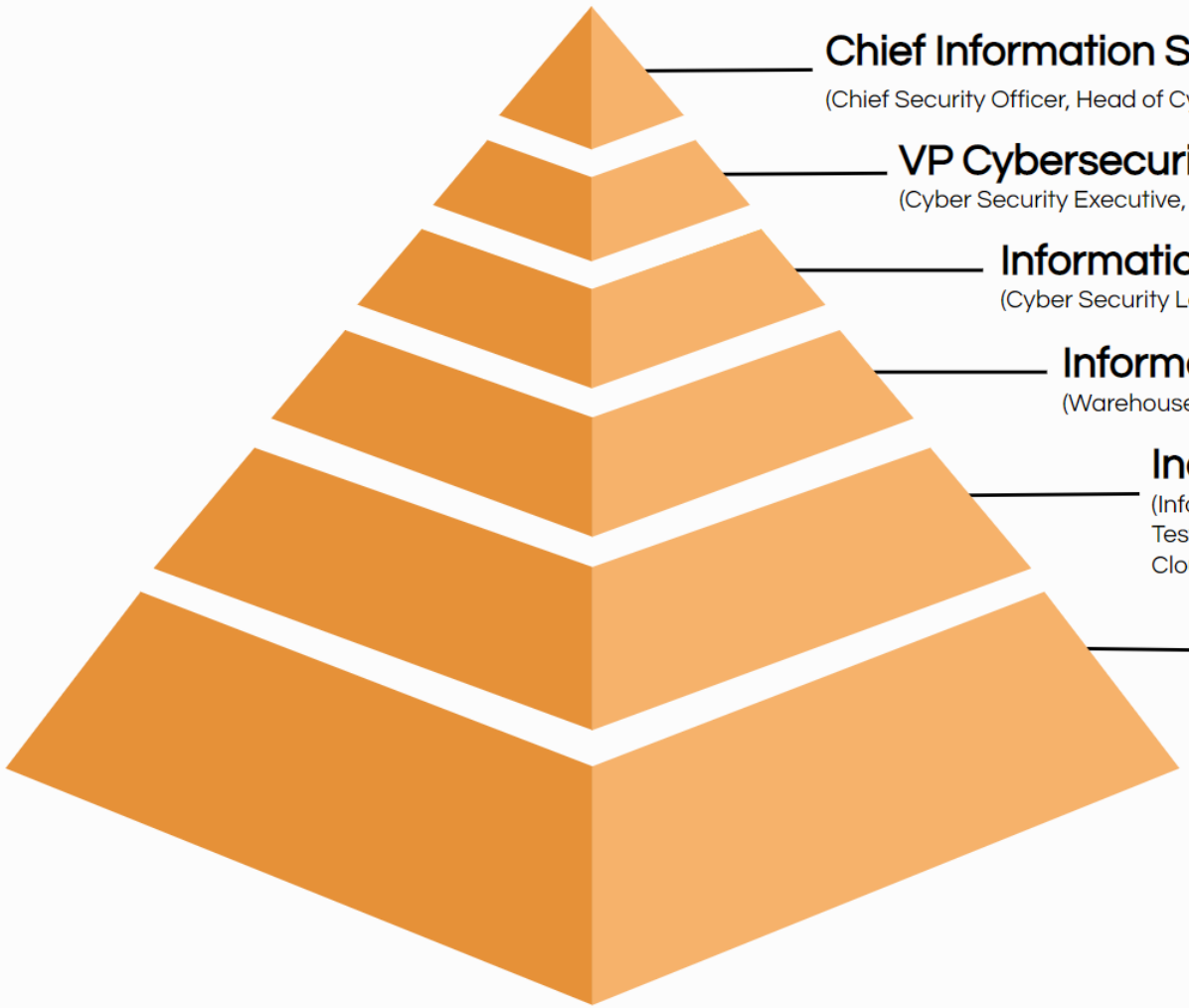
NEED HELP unlocking your digital life without paying your attackers*?

Ransomware is malware that locks your computer and mobile devices or encrypts your electronic files. When this happens, you can't get to the data unless you pay a ransom.

However this is not guaranteed and you should never pay!

We use cookies on No More Ransom's website to support technical features that enhance your user experience. For more information, see our Website Disclaimer.

OK, I'VE READ IT



Chief Information Security Officer

(Chief Security Officer, Head of Cyber Security, President Cybersecurity)

VP Cybersecurity

(Cyber Security Executive, Security Executive)

Information Security Director

(Cyber Security Lead, Director of Information Security, Cybersecurity Director)

Information Security Manager

(Warehouse Supervisor, Production Manager, Distribution Manager, Quality Assurance Manager (QA))

Individual Contributors

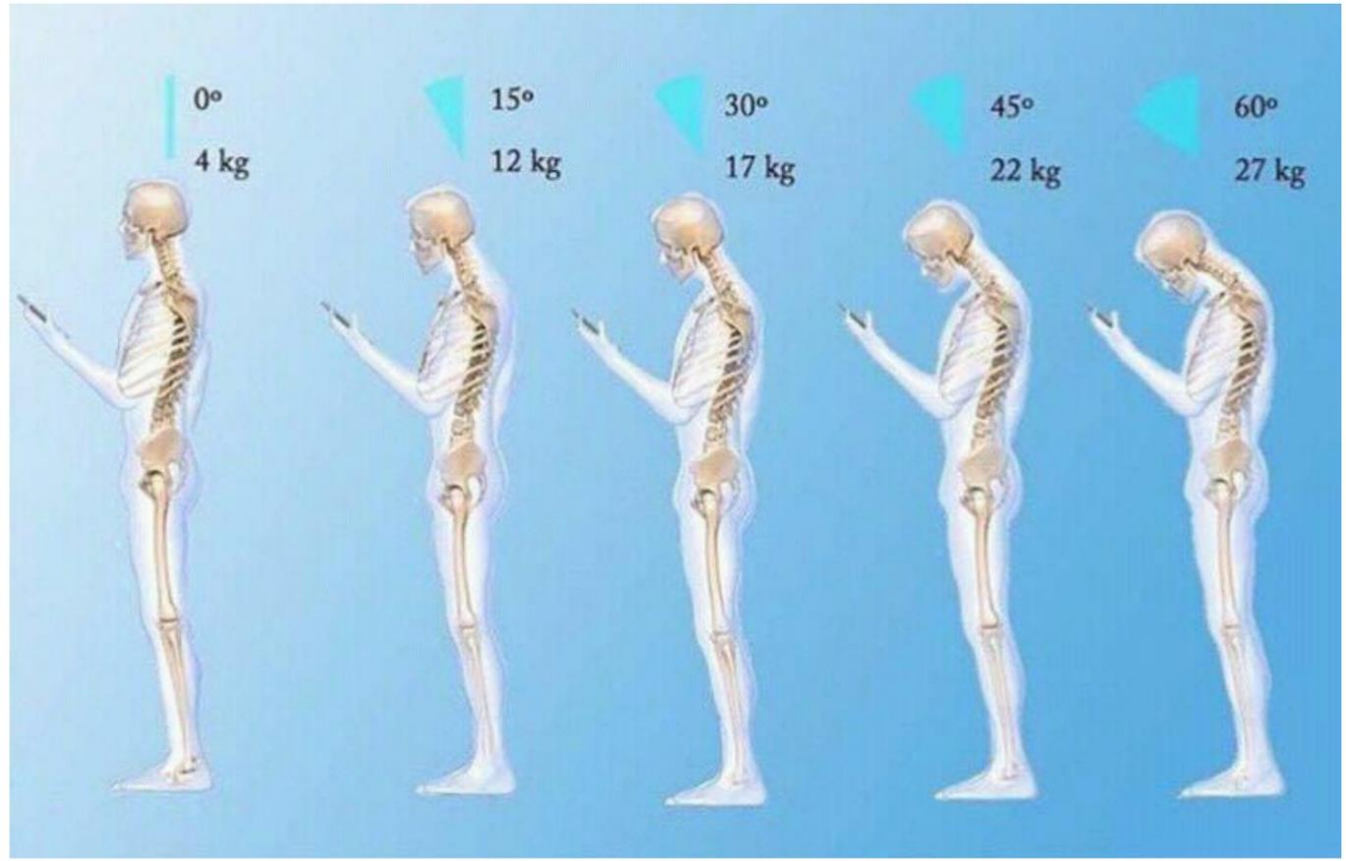
(Information Security Analyst, Cyber Security Analyst, Security Engineer, SOC Analyst, Penetration Tester, Cyber Security Technician, Data Security Analyst, Cryptographer, White Hat Hacker, AWS Cloud Architect)

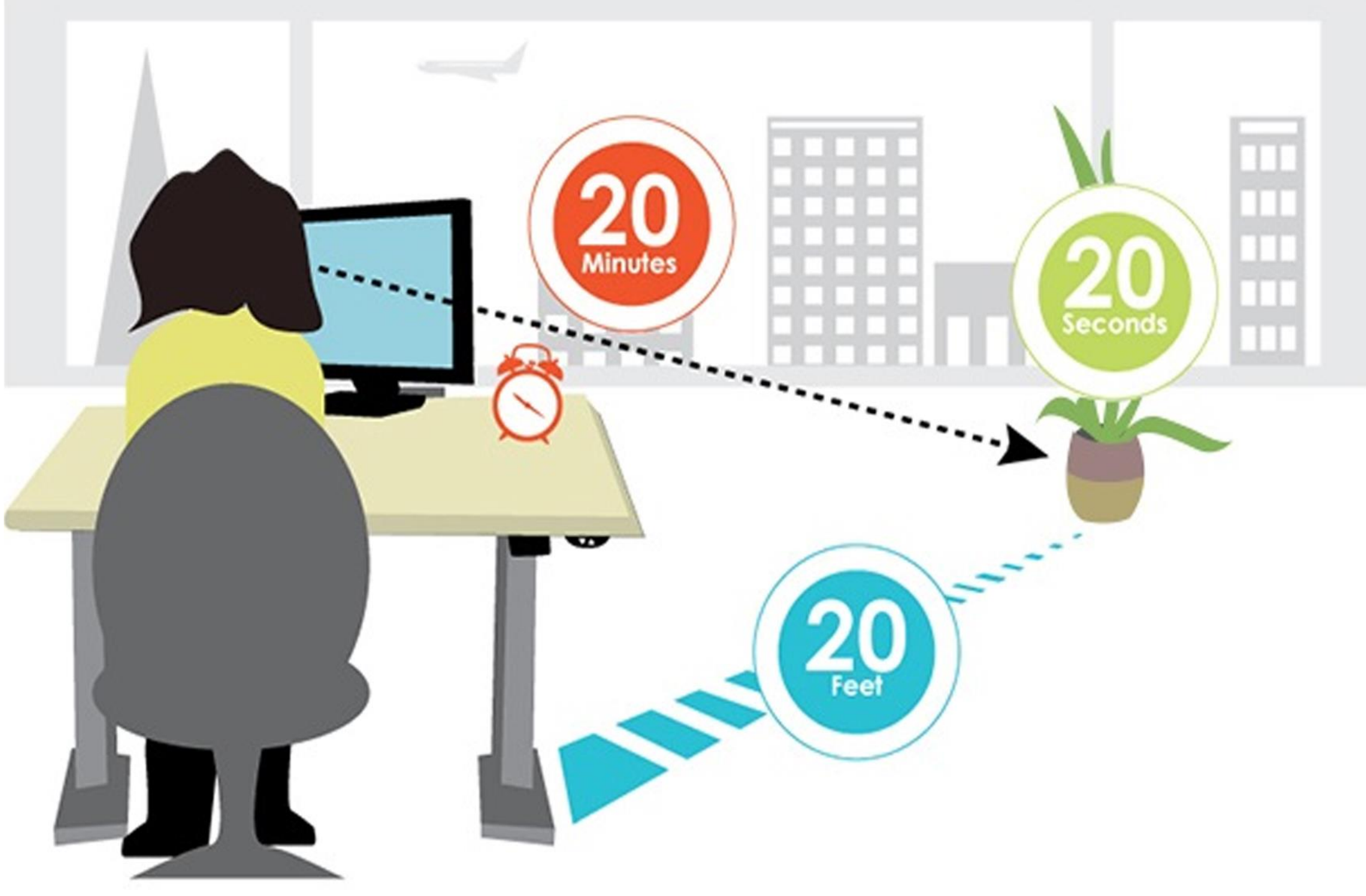
Entry Level

(Entry Level Cyber Security Engineer, Information Security Intern, Cyber Intern, Junior Cyber Security Associate, Pentester Intern, Cyber Security Apprentice)

Neck and Neck problem

- Did you know that your head weighs around 04 or 05 kg? All supported by some pretty small bones in your neck! A Quick look at biomechanic of the body shows that when you are slouched over a phone at 45 degree angle.its equivalent to placing 22kg of stress on the neck! This often translates into headache and pain down the back....consider your posture!


0°
4 kg
15°
12 kg
30°
17 kg
45°
22 kg
60°
27 kg


20
Minutes
20
Seconds
20
Feet

DAILY EXERCISE
FOR COMPUTER USERS & GAMERS

STEP 1
10-20 SECONDS
2 TIMES

STEP 2
10-15 SECONDS
1 TIME

STEP 3
10-12 SECONDS
2 TIMES
EACH SIDE

STEP 4
15-20 SECONDS
1 TIME

STEP 5
3-5 SECONDS
3 TIMES

STEP 6
10-12 SECONDS
1 TIME
EACH ARM

STEP 7
10-15 SECONDS
1 TIME

STEP 8
10-15 SECONDS
1 TIME

© Alamy

BLUE CUT LENS

TYPICAL LENS

1930

cybercrime.gov.in

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हिन्दी

गृह मंत्रालय
MINISTRY OF
HOME AFFAIRS
सत्यमेव जयते

National Cyber Crime Reporting Portal

स्वच्छ भारत
एक कदम स्वच्छता की ओर

Indian Cyber Crime Coordination Centre

Uttarakhand, Chattisgarh, Uttar Pradesh, Madhya Pradesh ,Telangana ,Maharashtra, Odisha, Arunchal Pradesh, Assam, Tamil Nadu, Kerala, Puducherry, Dadar & Nagar Ha

Filing a Complaint on National Cyber Crime Reporting Portal

This portal is an initiative of Government of India to facilitate victims/complainants to report cyber crime complaints online. This portal caters to complaints pertaining to cyber crimes only with special focus on cyber crimes against women and children. Complaints reported on this portal are dealt by law enforcement agencies/ police based on the information available in the complaints. It is imperative to provide correct and accurate details while filing complaint for prompt action.

Please contact local police in case of an emergency or for reporting crimes other than cyber crimes. National police helpline number is 100. National women helpline number is 181.

Learn about cyber crime

File a complaint

INTERNET – INSTALL MONITORING & FILTERING PROGRAMS

AntiSocial

Anti Social

Are you curious to find out how much you use your cell phone compared to other people? AntiSocial is designed to not only help you understand what 'normal usage' looks like, but to give you the tools to manage, block and control your cell phone usage so that you can unplug, minimize distractions and focus on the things that matter.

ONWARD

On Ward

We are on a mission to help restore Tech-Life Balance by developing scalable, affordable solutions that give each of us the ability to change our compulsive behaviors free of judgement and stigma.

(OFFTIME)

OFF TIME

(OFFTIME) helps you to focus and to unplug to be creative – thanks to smart app blocking, communications filter and insights into your smartphone usage.

QualityTime

Quality Time

Quality Time is a leading developer of family computing platforms. Cloud-based parental control and time management solutions for phones and tablets in this era of mobile hyper connectivity.

Checklist

Step	√	To Do
		Basic Security
1		Update operating system to the latest version
2		Do not Root the device
3		Do not install applications from third party app stores
4		Enable device encryption
5		Disable 'Developer Actions'
6		Use an application/service to provide remote wipe functionality
7		Enable Android Device Manager
8		Erase all data before return, repair, or recycle

		Authentication Security
9		Set a PIN and automatically lock the device when it sleeps
10		Set an alphanumeric password
11		Set Auto-Lock Timeout
12		Disable 'Make Passwords Visible'
13		Erase data upon excessive passcode failures
		Browser Security
14		Show security warnings for visited sites
15		Disable 'Form Auto-Fill'
16		Do not automatically remember passwords
17		Disable browser plug-ins
18		Turn on Do Not Track

		Network Security
19		Turn off Bluetooth when not in use
20		Disable network notification
21		Forget Wi-Fi networks to prevent automatic rejoin
		Additional Security Settings[1]
22		Turn off Location Services
23		Use a third party application to password protect applications with sensitive data
24		Limit the number of text (SMS) and multimedia messages (MMS) saved
25		Disallow cookies in Chrome browser
26		Disable JavaScript in Chrome browser
27		Use TextSecure to encrypt SMS messages

Checklist

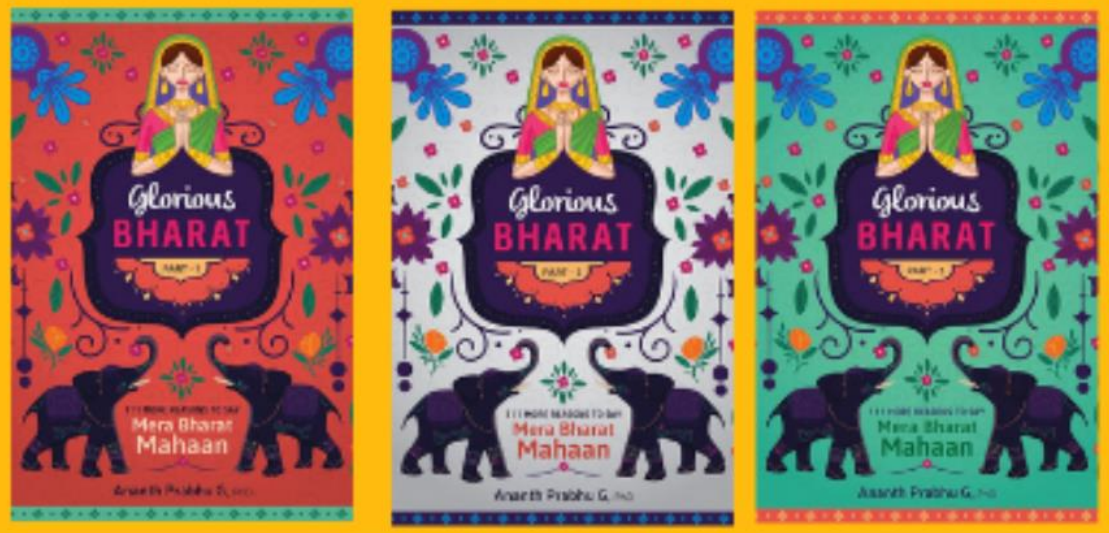
Step	√	To Do
		Basic Security
1		Update operating system to the latest version
2		Do not Jailbreak iOS to sideload applications
3		Enable Automatic Downloads of App Updates
4		Enable remote wipe functionality
5		Enable Find My iPhone
6		Encrypt device backups through iTunes
7		Erase all data before return, repair, or recycle
		Authentication Security
8		Require a passcode or password
9		Enable TouchID with a complex password
10		Set Auto-Lock Timeout
11		Disable Grace Period for Screen Lock
12		Erase data upon excessive passcode failures
13		Enable Data Protection

		Browser Security
14		Enable Fraud Warning in Safari
15		Disable AutoFill for sensitive information
16		Block cookies from third parties
17		Turn on Do Not Track
		Network Security
18		Turn off Ask to Join Networks
19		Turn off AirDrop when not in use
20		Turn off Bluetooth when not in use
21		Turn off Personal Hotspot when not in use
22		Forget Wi-Fi networks to prevent automatic rejoin

		Additional Security Settings[1]
23		Turn off Location Services
24		Restrict access to Location Services, Contacts, Photos, etc.
25		Disable access to Control Center on Lock Screen
26		Disable TouchID
27		Enable Private Browsing in Mobile Safari as needed
28		Disable JavaScript in Mobile Safari

Think
Before you post

Is it..... **TRUE?**
Is it..... **HURTFUL?**
Is it..... **ILLEGAL?**
Is it..... **NECESSARY?**
Is it..... **KIND?**



GLORIOUS BHARAT

333 MORE REASONS TO SAY MERA BHARAT MAHAAN

Edit

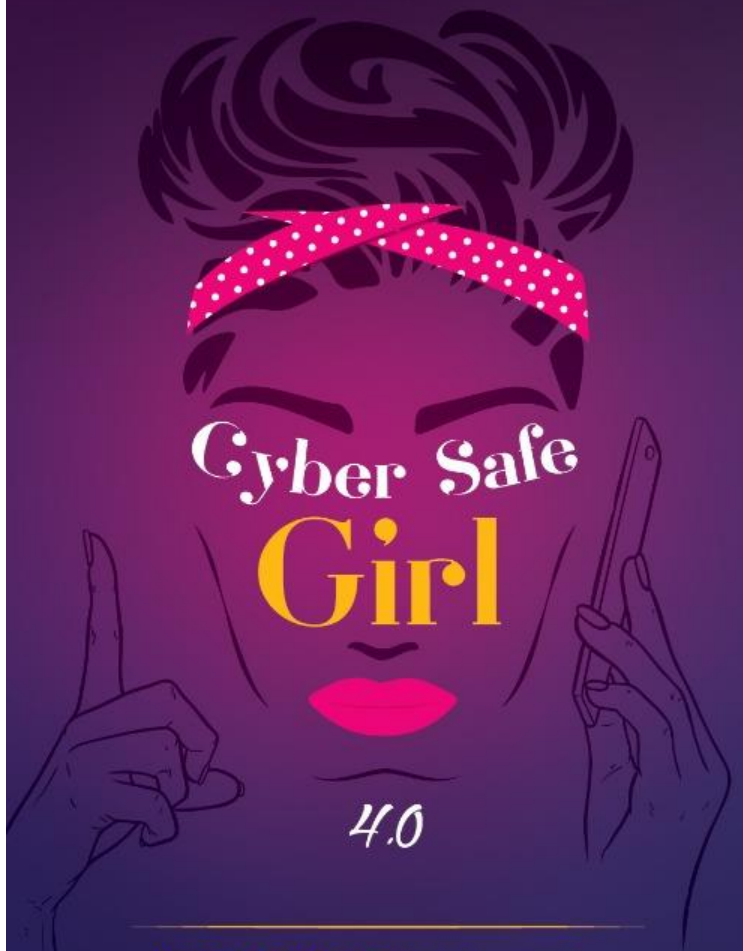
Dr. Ananth Prabhu Gurpur

@educatorananth · Motivational speaker

Edit WhatsApp

Home Services Reviews Videos More

Promote



Cyber Safe Girl

4.0

Ananth Prabhu G PhD, Post Doctoral Fellow

Co-Authors : **Adv Prashant Jhala**

Yashavantha Kumar KN DySP

www.cybersafegirl.com

SURE PASS

CYBER PATRIOT

Indian Cyber Institute

Supported by

ISEA

Information Security Education & Awareness

Certificate of Completion

Certificate No : ..... Valid upto : .....

This is to certify that ..... has

successfully completed course on Cyber Safety

and has secured ..... Grade.

Date : .....

Authorized signatory

(Ananth Prabhu G)

ANY
QUESTIONS?

Dr. Ananth Prabhu G

Professor- Sahyadri

Cyber Law Adjunct Faculty- Karnataka Judicial Academy

Cyber Security Trainer- Karnataka Police Academy

Director- SurePass Academy

+91 8951511111

www.fb.com/educatorananth

CYBER PATRIOT