



- Author, National Security Expert, Commonwealth UK's Chevening Cyber Security Fellow, TEDx Speaker, Chief Cyber Evangelist,
- Tech Mahindra
- Solved more than 550+ Cyber Crime cases and Investigated more than 300 Cyber Attacks.
- Trained more than 150000 Police Officers world wide on Cyber crime investigation techniques.
- Radio Host of popular Cyber Crime show, RedFM 'Hidden Files', with almost 20million listeners in India on every weekend.
- Author of three best sellers – Return of the Trojan Horse, 'Hidden Files' and Atharva.
- IT and Cyber Advisor to Government of India and to 16 different state governments.
  - Member of R&D Working Group of MEITY
  - Member of Police Technology Mission by MHA
  - Member of Cyber Security Policy Draft Committee of UP.
  - Member of BPRnD Content Development Committee
- Security architect behind India's Cowin and Arogya Setu platforms with more than 500m concurrent users.
- Cyber Security Advisor to Banks, Insurance Companies, Hospitals and Critical Infra Sectors in India,
- Key resource person with Indian Investigation Agencies (NIA, CBI, BPRnD, STF etc.)
- Leading member of draft committee of Cyber Security Policies of various states.

# POTENTIAL HACKING THREAT

CNN NEWS 18



## MOBIKWIK USER DATA LEAKED

### LEAKED DATA INCLUDES KYC DETAILS, PHONE NUMBERS

Amit Dubey, Cyber Security Expert

NDTV @ndtv · Jul 19

#FYI | "There are many spyware available on different platforms, #Pegasus is considered most sophisticated": Amit Dubey (@CyberDubey), Cyber Security Expert

WHAT MAKES PEGASUS 'THE MOST DESIRED SPY' ALMOST IMPOSSIBLE TO DETECT

FYI IS NO ONE SAFE FROM PEGASUS?

## SECURITY EXPERT EXPLAINS HOW



IBN Live

## SECURITY EXPERT EXPLAINS HOW



IBN Live

CNN-NEWS18 EXCLUSIVE

## NOT A SPONTANEOUS RIOT

CNN NEWS 18 news18.com



### CREATED DIGITAL PETITION ON SOCIAL MEDIA, WHAT

## How To Stop Your Phone From Collecting Data

PUBLISHED ON: OCTOBER 15, 2020 | DURATION: 23 MIN, 52 SEC

GET BACK YOUR PRIVACY CHANGES YOU CAN MAKE

SETTINGS

- Browser
- WiFi

FYI HOW TO ENSURE YOUR DATA IS SAFE

Most Watched

अरिष्या भद्र मुंबई के बांद्रा में आई नजर

Bhool Bhulayaa - फिल्म भूल भुलैया के प्रमोशन में व्यस्त कार्तिक अर्पन

Sponsored

35 साल से अधिक आयु के लिये - 1

Should You Switch To Signal From WhatsApp? Experts Answer

NEWSROOM NEWSBREAK

WORLD'S RICHEST MAN BATS FOR SIGNAL

ADDICTED TO WHATSAPP: ARE YOU NOW THE PRODUCT?

## IRAN FLYERS SCRUTINISED

CNN NEWS 18 news18.com



Amit Dubey, Nat'l Security Expert



DrSJaishankar S JAISHANKAR EAM

### Assured Israeli EAM of protection for the Embassy and Israeli diplomats.

CNN NEWS 18

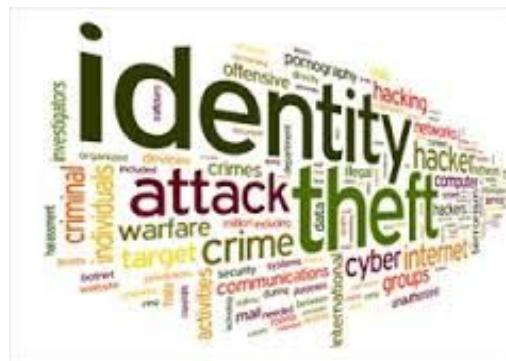
## SOURCE: EMBASSY



# Empowerment through Cyber Security

## Decoding Cyber Criminals & New Age Attack Vectors

Amit Dubey



A person's silhouette is centered in the frame, with their head tilted slightly. The background is a dark green field filled with a dense, vertical stream of white and light green text, resembling computer source code or a terminal window. The lighting is dramatic, with a bright light source from the upper right, creating a strong highlight on the person's hair and the right side of their face, while the rest of their silhouette is in shadow. The overall mood is one of technical ambition and frustration.

I would love to change the world,  
but they won't give me the source  
code

# What is your digital DNA ?

<https://webkay.robinlinus.com/>

<https://privacy.net/analyzer/>



Social Media Exploits

<http://browserspy.dk/>

## What every Browser knows about you?

# CEO-fraud Attacks

Privacy

Attack Surface

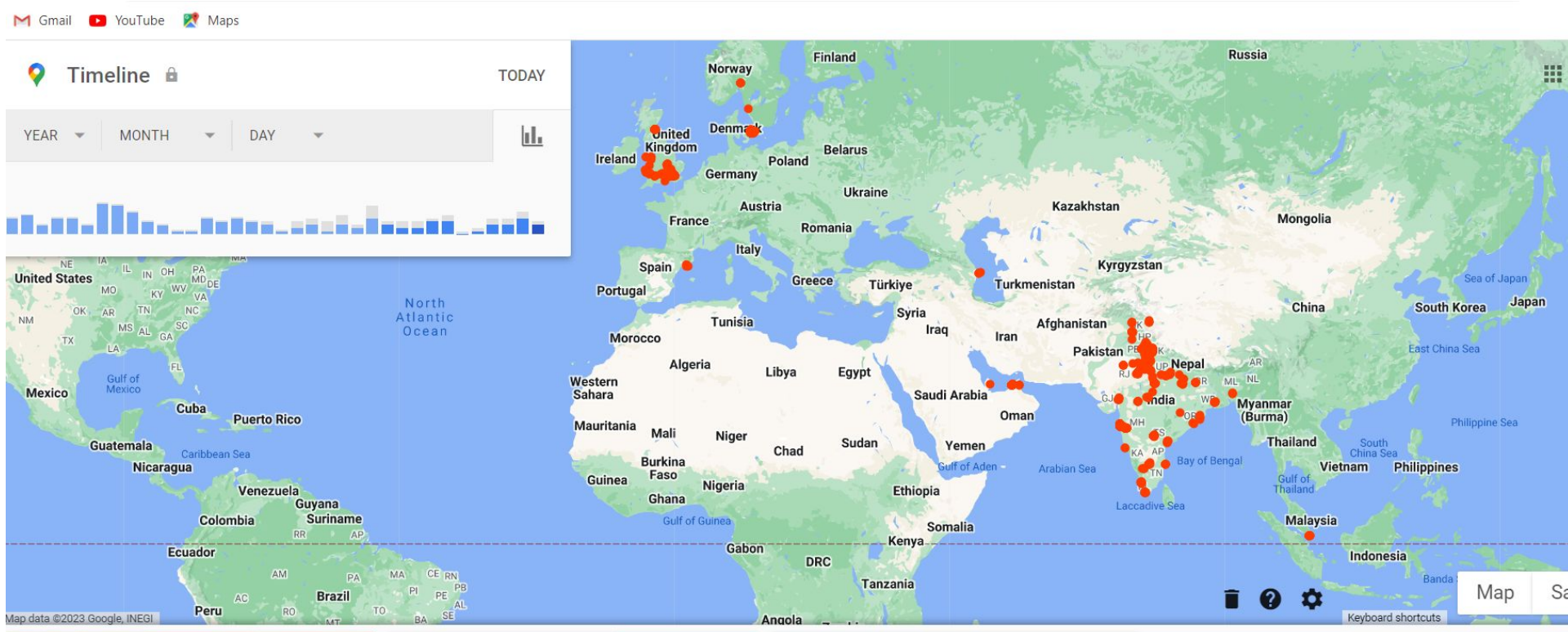
Attack Vectors

Risks




# Digital Footprint


We are the product of the data that has been fed to us since our birth



# How do they profile you ?










**Facebook**  
Meta Platforms, Inc.

 The developer has provided this information about how this app collects, shares, and handles your data

### Data collected

Data this app may collect

-  **Location** ▼  
Approximate location and Precise location
-  **Personal info** ▼  
Name, Email address, User IDs, Address, Phone number, Political or religious beliefs,  
Sexual orientation, and Other info
-  **Financial info** ▼  
User payment info, Purchase history, Credit score, and Other financial info
-  **Health and fitness** ▼  
Health info and Fitness info
-  **Messages** ▼  
Emails, SMS or MMS, and Other in-app messages
-  **Photos and videos** ▼  
Photos and Videos
-  **Audio** ▼  
Voice or sound recordings, Music files, and Other audio files



# Attack Vectors

- SIM Cloning / eSIM
- Parallel Space/ WiFi Hack
- Data Privacy in my mobile phone.
- QR Code Hacks
- BEC
- AI – DDOS
- Whatsapp Hack
  - Call Forwarding
  - Voice mail
  - QR Code
  - Games

# How to check if you are hacked ?

- How to check if your gmail is hacked ?
- How to check the authenticity of a web link ? (viewdns.info)
- Settings - Nobody could clone my Facebook ?
- How to check If my whatsapp is hacked ?
- Settings – Nobody could hack my Whatsapp ?
- 10 ways to steal OTP
- Where are my passwords on internet ?
- Google BackUp Codes
- Recovering Deleted Content
- Instagram – Family Center

# What's wrong with AR/VR Games?



# AI predicts crime a week in advance with 90 per cent accuracy

An artificial intelligence that scours crime data can predict the location of crimes in the coming week with up to 90 per cent accuracy, but there are concerns how systems like this can perpetuate bias



TECHNOLOGY 30 June 2022

By [Matthew Sparkes](#)

Technology News / News-Analysis

## CHINESE RESEARCHERS CLAIM TO HAVE MADE AI SYSTEMS THAT CAN 'READ MINDS,' COULD BE USED TO TEST LOYALTY TO CCP



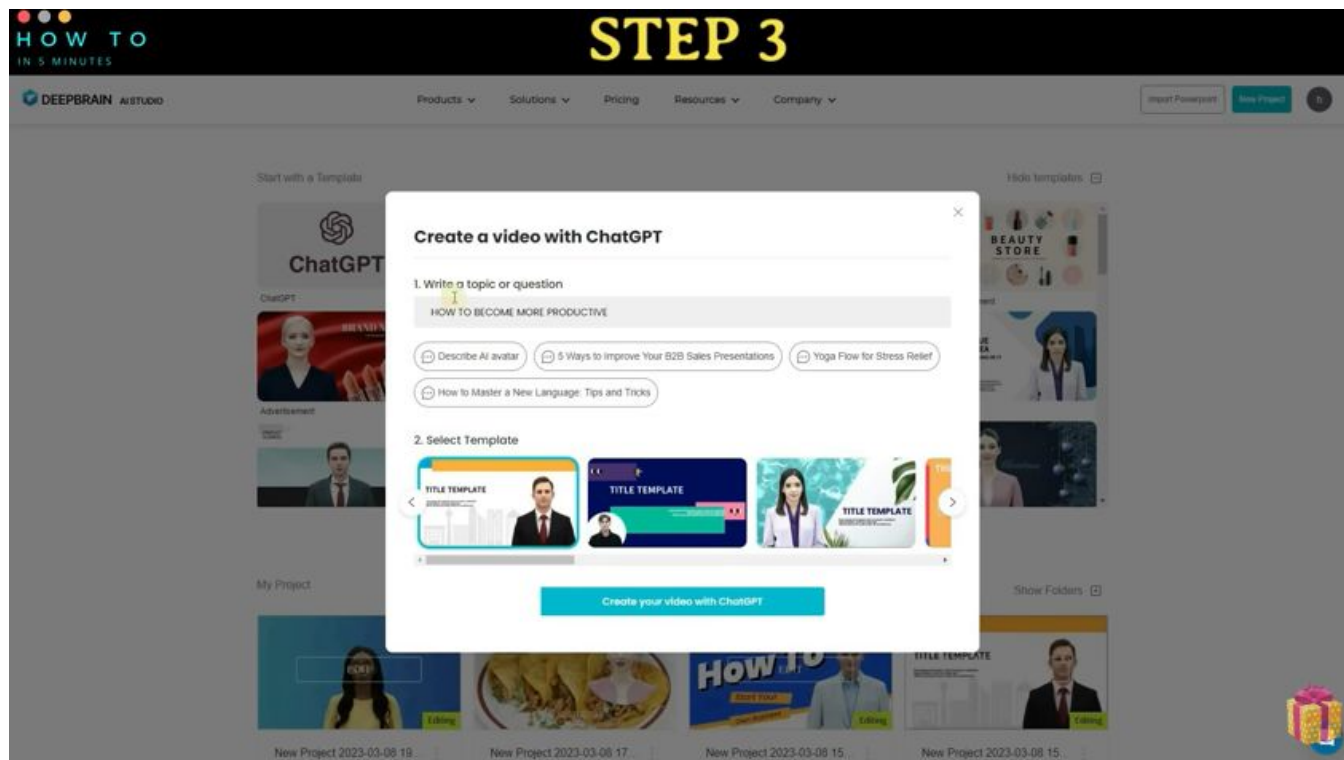
A group of Chinese researchers claim that they have developed AI and ML systems that can read minds and test loyalty to the Chinese Communist Party. This is yet another step taken by the CCP to monitor and control their citizens in China and other occupied areas.

# Synthesis

Change Your Voice to ANY CELEBRITY with This Free AI




<https://www.youtube.com/watch?v=JruKb-Zeze8>



# AI Music Composer

<https://mubert.com/render>



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PRODUCT HUNT  
#1 Product of the Day

## Human $\times$ AI Generative Music

For your video content, podcasts and apps

[⚡ Generate a track now](#)

### Mubert Render

For content creators

Create a soundtrack that will fit your content's mood, duration and tempo. Instantly, easily, perfectly.

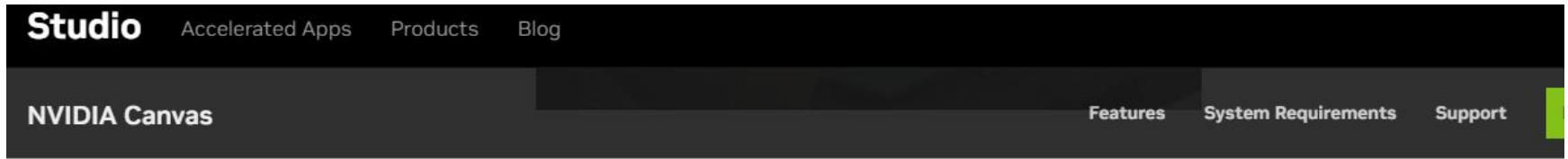
### Mubert Studio

For artists

Earn money on tracks, samples and loops. Team up with AI to produce something incredible.

# AI Artist

<https://www.nvidia.com/en-in/studio/canvas/>





## AI Assistant

# Harness the Power of AI

Paint simple shapes and lines with a palette of real-world materials, like grass. Then watch in real time as our revolutionary AI model fills the screen with stunning, realistic results. Don't like what you see? Swap a material, changing snow to sand, and watch as the entire image changes from a winter wonderland to a tropical paradise. Creative possibilities are endless.

# Voice Cloning

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Industry-leading accuracy and speed, with powerful correction tools.



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Repurpose content as clips using templates, subtitles, and more.



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Forbes

# How AI Is Disrupting The Publishing Industry



Alinka Rutkowska Forbes Councils Member  
Forbes Business Council COUNCIL POST | Membership (fee-based)  
Small Business

*CEO at Leaders Press, a USA Today best-selling press, where we turn book ideas into best-sellers. Go to [Leaders Press](#) to get started!*



- ❑ AI-generated articles are astounding.
- ❑ AI doesn't get bored, tired or unmotivated.
- ❑ AI fits into the current publishing model.
- ❑ AI generated reviews of a book – whether it will be a hit or a miss
- ❑ Will a book be suitable for a web-series or a movie

# How AI is transforming HR



- ❑ Resume screening.
- ❑ Scheduling interviews
- ❑ AI chatbots
- ❑ Onboarding Process
- ❑ Training and Development
- ❑ Analytical Decision Making – Moods and all
- ❑ Business HR leaders

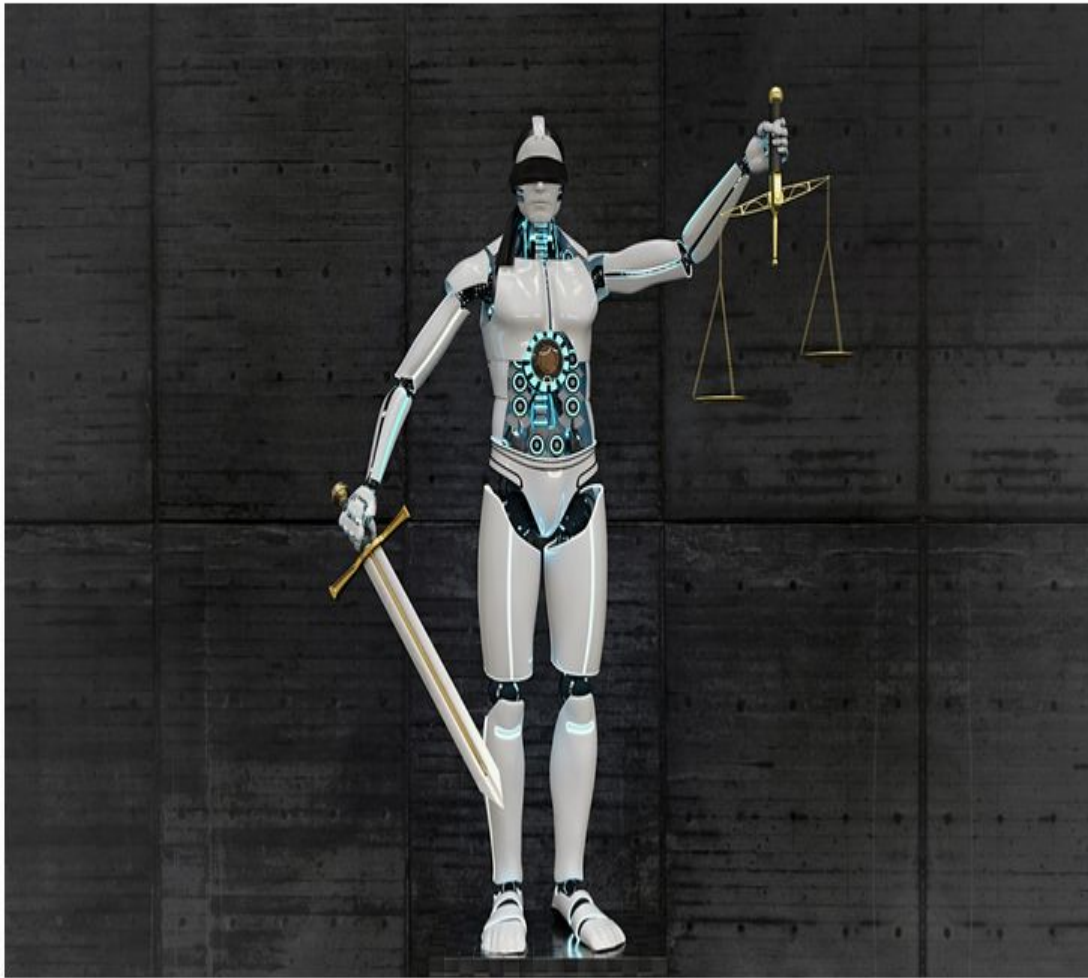
# Could Artificial Intelligence Soon Disrupt the Modeling World?

One startup, Deep Agency, believes that it could at the very least make it more accessible, with 100% AI-generated models, scenes, and outfits.



[thispersondoesnotexist.com](https://thispersondoesnotexist.com)

# Will A.I. Put Lawyers Out Of Business?



- ❑ Reducing time-consuming research
- ❑ Automating creative work , including some writing
- ❑ Analyzing large portfolios and drawing insights from the content
- ❑ Predicting outcomes of a litigation

# Artificial Intelligence in Identity & Access Management

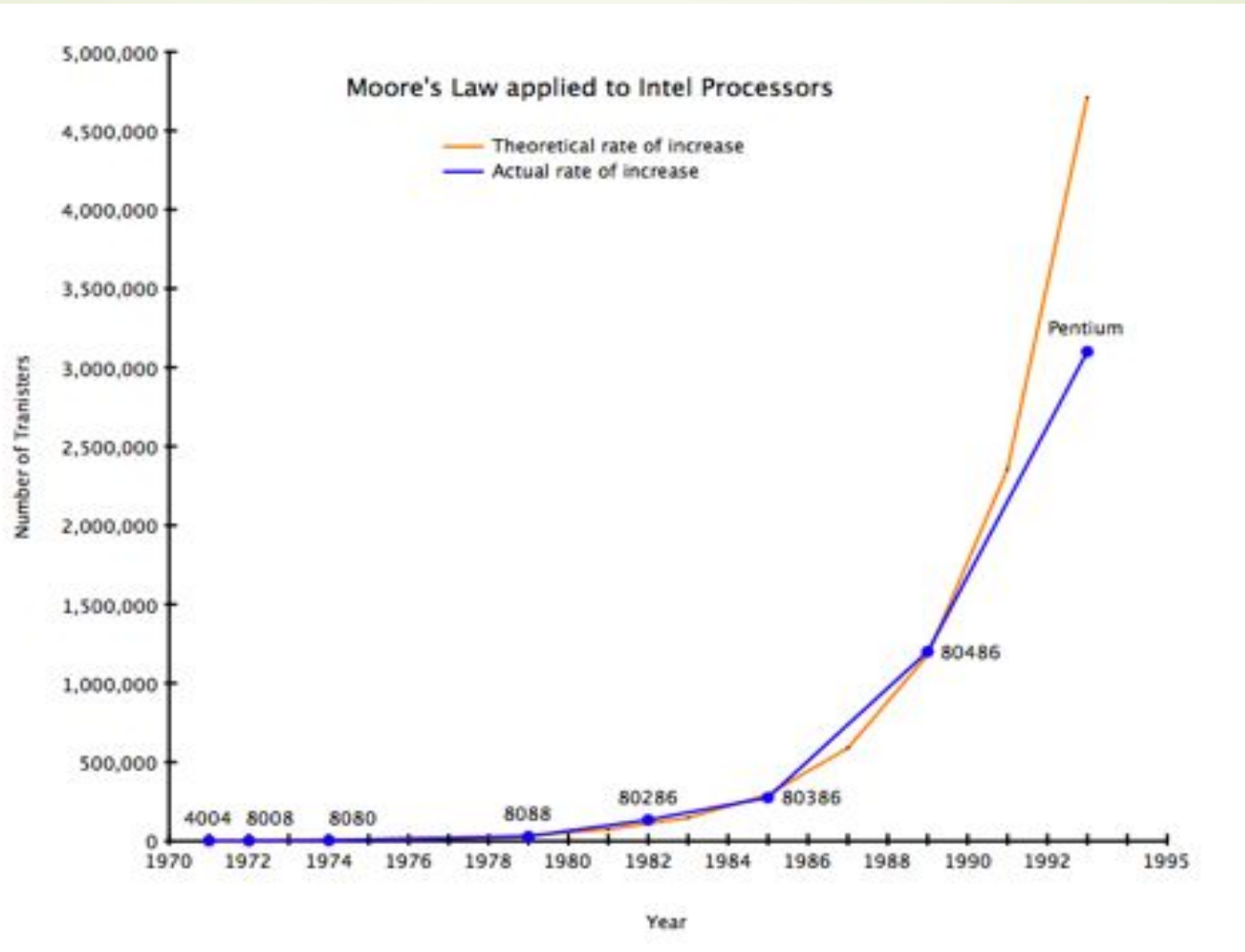
- Seamless identification of a person
- Imagine a world where you don't have OTP, two-factor authentication
- No biometric, iris identification
- Your computer, your home recognizes you as unique
- Body language, style, authenticity

# AI Applications

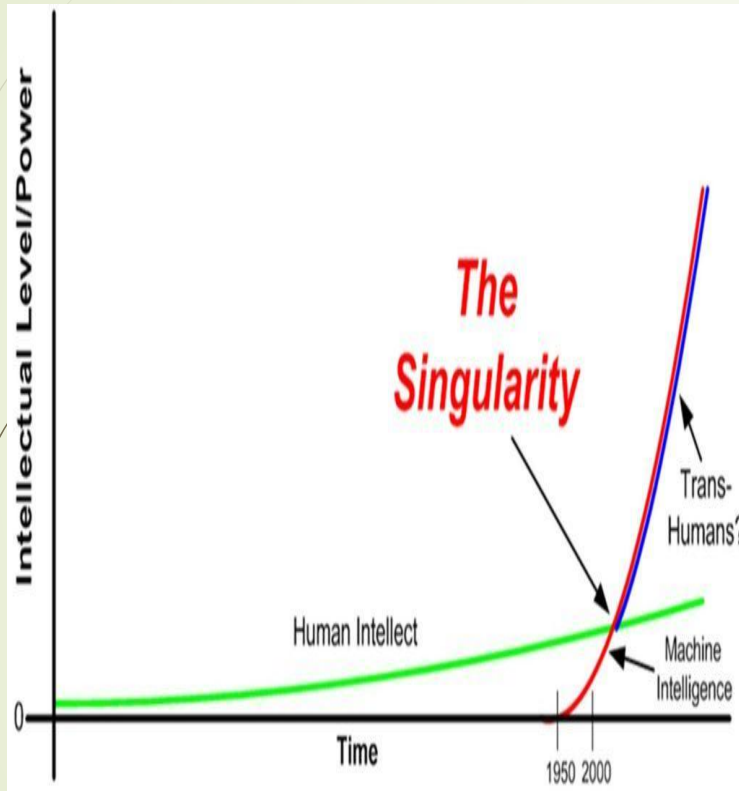
- **Robotic toys:**



# Moore's law



# Singularity – Our future



- Are we ready to face it ?
- Are we heading to end the human race
- Reaching the Singularity May be Humanity's Greatest and Last Accomplishment

The Singularity Is Near

But Kurzweil says one crucial step on the way to a potential 2045 singularity is the concept of immortality, possibly reached as soon as 2030.



# Criminals Using AI

- Malicious uses of artificial intelligence can range from AI-powered malware (wormGPT, FraudGPT)
- AI-powered fake social media accounts farming,
- Distributed denial-of-service attacks aided by AI,
- Deep generative models to create fake data and
- AI-supported password cracking,
- AI Simulated Behaviors and Scenarios
- AI Simulated Digital Footprint

“Conversations are happening whether you are there or not”

Thanks

Twitter @CyberDubey

