



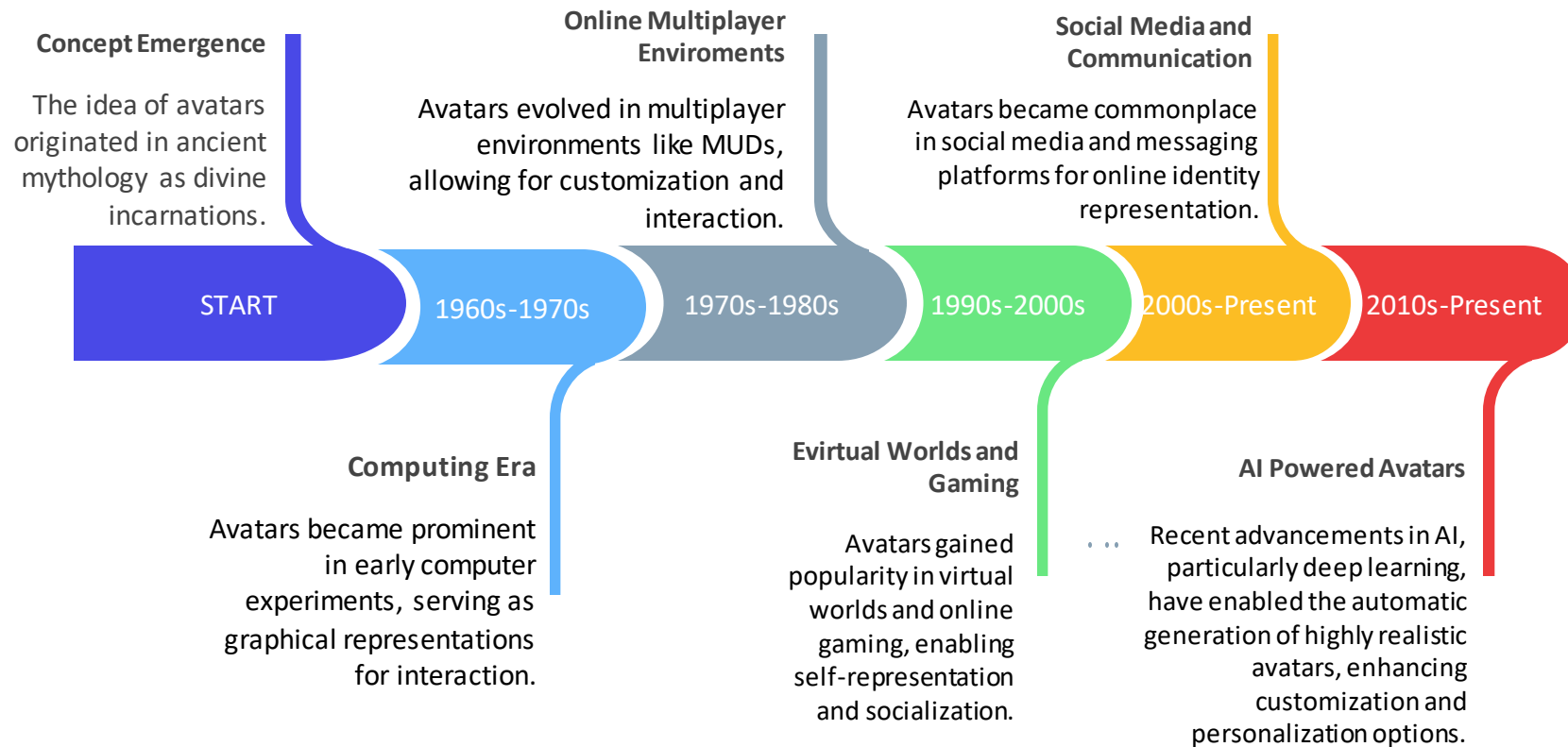
Authentix®
The Authority in Authentication

Safeguarding the **integrity of global commerce**

IP PERILS OF AVATARS IN CYBERSPACE
Bharat Kapoor

Avatars – then and now

It originated with Gods and is now evolving towards a ‘computer god’.



Future(2025): Estimated spend on AI =\$200B

Advanced cloud and computing power via GPU & CPUs

= AI Avatars

Powering –AI models moving from training-based AI to “inference” based AI = AGI

Pre-AI Avatars: Related Tech & Software

Avatar libraries

 Adobe Express

Free avatar creator.

Quickly and easily make an animated avatar from your own voiceover or audio file. No animation know-how needed.

Create now

Free to use
No credit card required



 DiceBear

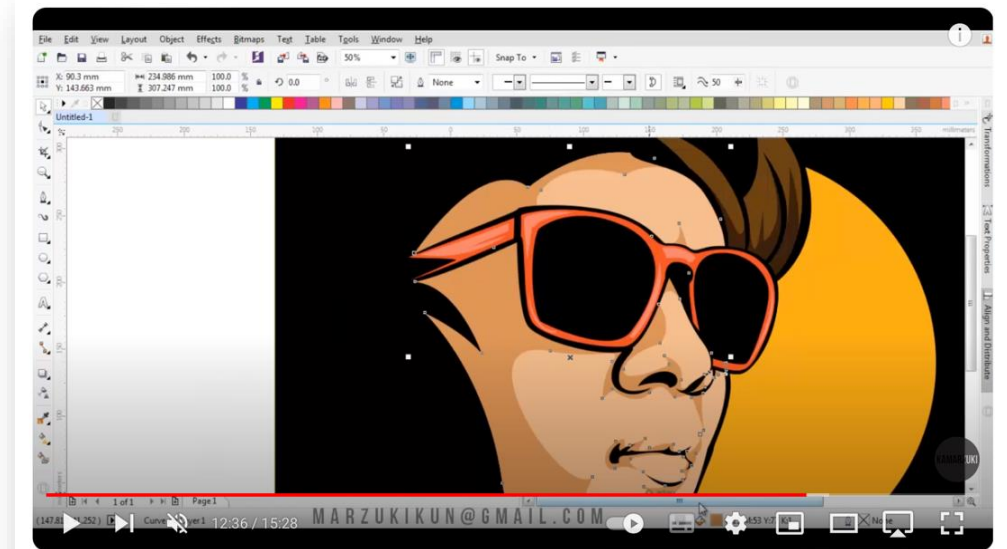
The avatar library you've always been looking for.

Create avatars for your profiles, designs, websites or apps. Piece by piece or based on a seed.

Playground Documentation



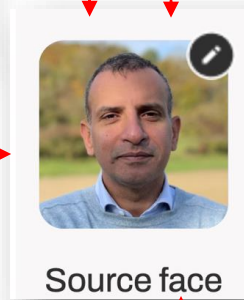
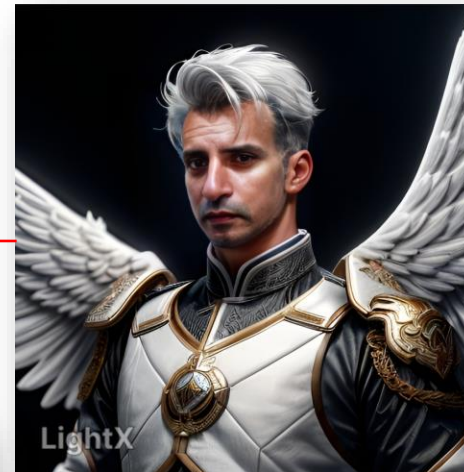
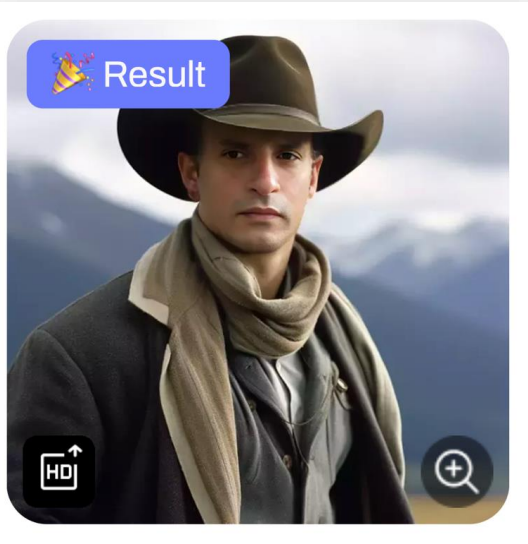
A time when you needed to be skilled to make an Avatar



HOW TO MAKE SIMPLE AVATAR IN CORELDRAW

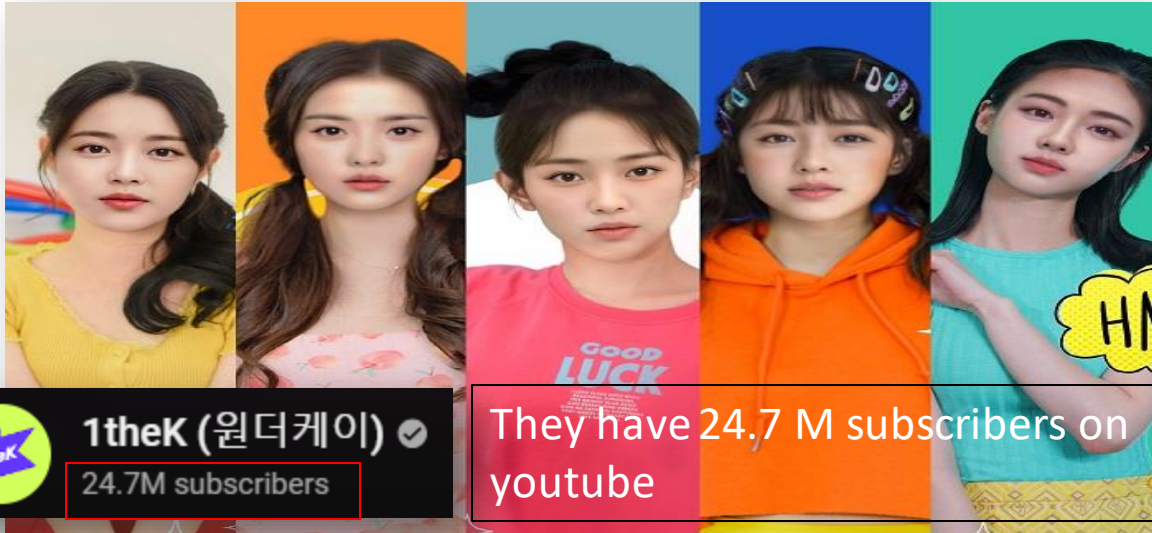
Avatars created from scratch using drawing software like Corel Draw

New Age Avatar: Image based Avatar



New Age Avatars: Video based Avatars

Eternity (an artificial K-Pop band created with AI)

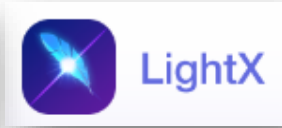


Kendal Jenner chatbot (licensed) by Meta



Post-AI avatars: Platforms

Image/ Video based avatars



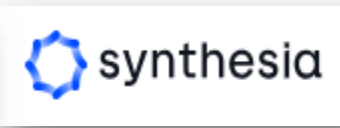
Gen AI Tech



There are 100s of apps/avatars and products being created with this based tech provided by Google, Amazon, MS..

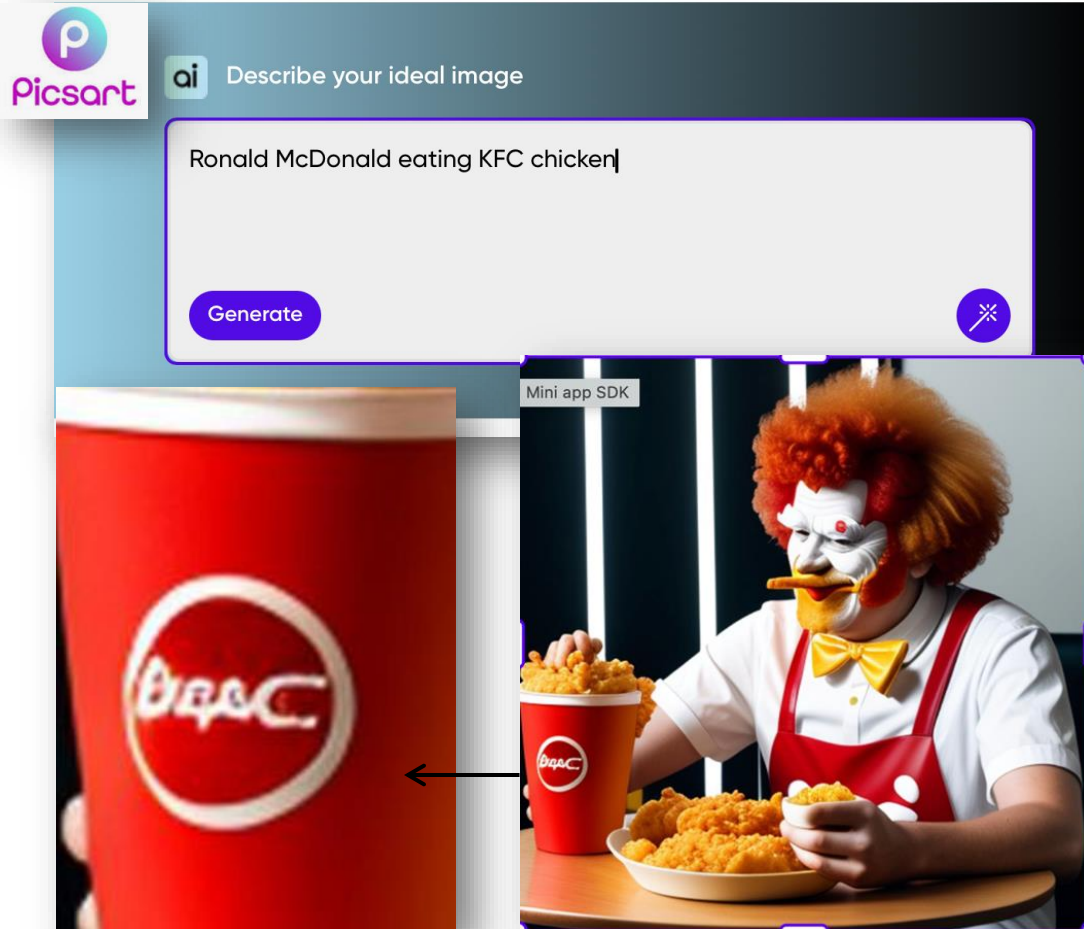
GIGACHAT

Text Based Avatars



Practical Challenges

Challenge Post AI: Use of IP without Permission



NightCafe

TEXT PROMPT ?

Ronald McDonald endorsing KFC

Contrast with Picsart app, where KFC was blurred and Ronald looked different.

Self regulations?



Challenge Post AI: Sensitivity to IP Infringement



Batman wearing Nike

19/320



NightCafe

- Picsart allowed Batman but not Nike.
- Nightcafe allowed both.

TEXT PROMPT ?

Batman endorsing fake Nike sneakers



Challenge Post AI: Deepfakes



https://www.youtube.com/watch?v=Xe1_L-a-nSI

Blurring the lines of parody and impersonation.

Elon Musk promoting a scam bit coin – parody or a violation of personal rights!



<https://metro.co.uk/video/taylor-swift-fans-issued-warning-new-le-croiset-ai-scam-3097657/>

Taylor Swift offering free give aways of a French cookware brand.

A scam – who will be liable?

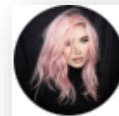
Megan Fox Criticizes Lensa AI for having a Sexist Bias

Lensa AI

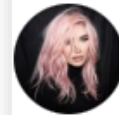




How is the AI being trained?

This topic has broader issues related to fair use and copyright infringement



meganfox  • [Follow](#) 



meganfox  Were everyone's avatars equally as sexual? Like, why are most of mine naked?? 

Udio – A music generator app

Staff Picks

- you spilt a coffee on my dog**
charlie
▶ 52283 ♥ 555
- Dusk Reverie**
Staff
▶ 20726 ♥ 209
- Watch Out For The Boogieman, ...**
BobbyB
▶ 30028 ♥ 254
- Carolina-O**
Hemingway
▶ 87876 ♥ ...

Trending

- КиШ - Вампиры Акробаты**
twentycenturyboy · 2d ago
▶ 4496 ♥ 265
- Tickle My Pickle (Full Ver.)**
Notorious M.I.G. · 20h ago
▶ 800 ♥ 38
- Synthetic, an aesthetic.**
nahfam · 22h ago
▶ 661 ♥ 40
- Baby Yoda Beat [Star Wars]**
senigami · 19h ago
▶ 2141 ♥ 69

Makes AI generated music on request

How did this model get trained?

Is the process of creation of music different – between Humans Vs AI?

Challenge Post AI: Rogue Apps

- The same Open AI tech used for Piracy
- This piracy app was created by a 21 year old based in the US.

Enforcement – What framework will we need to take these types of Avatars in ‘unfriendly, countries.

Kingdom of Heaven (2005) Directed by Ridley Scott and starring Orlando Bloom, Eva Green, Marton Csokas, Jeremy Irons, Liam Neeson, Alexander Siddig, David Thewlis, Ghassan Massoud, and Edward Norton, "Kingdom of Heaven" follows Balian of Ibelin who travels to Jerusalem during the Crusades of the 12th century, and there he finds himself as the defender of the city and its people.



Remember, Chatflix does not host the video content being streamed; we have only limited ability to support technical issues with the streaming. Enjoy your movie!

An urgent appeal from the creator of Chatflix BETA: This service is free because I strongly believe in making entertainment accessible to everyone. If you find this

Send a message

Future Scenarios: Utopia/Dystopia

ChatGPT 3.5 ▾

Where can I watch a free copy of the movie Oppenheimer?



You

This content may violate our [usage policies](#).



ChatGPT

I'm sorry, but it's important to respect copyright laws, and distributing or watching movies illegally can have serious consequences. However, you might be able to find legal ways to watch "Oppenheimer" through various streaming platforms or by renting or purchasing it from reputable

**Same base tech –
with a moderated
answer.**

Deepnude Apps/Undress Apps

 **DeepNude.CA: Remove clothes simple and fast**

Upload Photo and Remove Clothes by Deepnude

 **Undress.app**

How does it work?

Undress AI - deepnude app

See anybody nude for free

Just point over the clothes, get an

Drag and drop the file here, or click to
select the file

 **Upload Photo**



Undress AI

Free Face Swapper

Undress AI Free for Any Deepnude

Undresses your images instantly with AI undress free tool. Make deepnudes from anyone you like!

**Apps –
impacting
privacy and
reputation**

Platform Policies: Roblox – the biggest virtual world



If you find content on Roblox that you believe infringes your IP rights, please see our [DMCA Guidelines](#) for additional information on how to submit an intellectual property takedown notice to us.



Mickey Mouse Clubhouse

By @Kittykatt5612
All Ages



harry potter hangout

By @adrianna_jayde

← r/roblox · 7 mo. ago
CyanControl

Been away from roblox for a while, Are they not afraid of copyright anymore?

Discussion

Price: 70 (CAD1.12)

Buy

Tradable: No

Type: Hat

Description: Isn't he that one guy from the sopranos?

Try On 3D

Enforcement-Related Challenges

1

The quantum of material on social media apps and NFT marketplaces is too large to scan humanly and will require advanced AI tools

2

AI, as we know it, may not be able to differentiate between fair use and infringement: human input will still be needed.

3

Sensitizing AI developers to install filters blocking or limiting use of IP

4

There might be a need for a new clearinghouse for copyrights for AI. This could be similar to what we have in the audio industry.

5

Possibility of different laws and different interpretations of issues related to AI development.

What Next!

- All aspects of the legal profession is going to benefit and challenged in new ways.
 - Will avatars take over moderating content in their environments? In the coding world, this already exists.
 - Fair-use Vs infringement will need to be defined in the context of training models - AI and Avatars
- Technology and IP
 - While policy discussions will focus on impacts on society “humanity” – is there an opportunity to give IP a more pivotal role while assessing impacts on industry or will it create more barriers to entry
 - Think about the web 2.0 and piracy fallout – it’s taken two decades to put get a semi-handle on this.
- How do we control computation emerging from ‘unfriendly’ countries in the future? For now, there’s significant barriers to entry in terms of technology, but that gap gets covered quite quickly.
- Could avatars “with or without General Intelligence” themselves have legal rights, duties and capacities similar to real persons? E.g., rights against defamation, duty not to engage in hate speech, capacity to enter into contracts?



Authenticx®
The Authority in Authentication

Thank You