

# Deepfake Summary

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Computer-generated imagery or CGI has been around since the 1970's. However, with the advance of modern computing power, even an average computer user can run free and open-source computer program on their home computer to generate amazing computer-generated imagery. The capability of computer hardware and software has advanced to a point where an image of one person can be merged with a video of a different person to create a CGI video of a realistic rendition of one person's face seamlessly integrated with another person's body.

There are many advantages to having this CGI (deepfake) capability easily accessible to consumers. Now people can use CGI to create exciting, scary stunts by using a computer program, and make money by posting their video contents on video sharing websites. Small budget film makers can use CGI/deepfake to create comedic contents in their movies. This technology can also allow ordinary people to superimpose their face on a clothing model to try out the look of a new clothing without having to try the new clothing in a dressing room.

There are also problems that come with easily accessible CGI/deepfake technology. People can use CGI to create false audio confession to a crime and send it to the police officers. This scenario is not far-fetched when you examine cases of video gamers calling police/swat squad to raid another video gamer's home by making false accusations. Also, people like LEO and prosecutors with qualified immunity can use deepfake to prosecute and convict innocent people since the court already decided that police and prosecutors are legally allowed to lie. If they are authorized to lie by the judges, it would actually be foolish for them not to make use of a sanctioned powerful tool like deepfake to do their jobs.

- <https://www.theguardian.com/technology/ng-interactive/2019/jun/22/the-rise-of-the-deepfake-and-the-threat-to-democracy>
- <https://goberoi.com/exploring-deepfakes-20c9947c22d9>
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