

The two sides of the Coin, CGI Computer Generated Imagery and Deepfake AI are great advancement for the world of Cinematography, great Hollywood movies such as StarWars, Avatar, Jurassic Worlds, Spiderman, Superman, Batman, Terminator, GOT, Deadpool and wolfy , Avengers and their infinity Stones Gauntlet , but what are the Cons , what harm can they do in the wrong hands ? what are the software they used to do such Evil acts of face replacements in videos , deepfakes ? ‘For the husband is the head of the wife as Christ is the head of the church, his body, of which he is the Savior (Ephesians 5:23)

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ABSTRACT: CGI , Computer Generated Imagery CGI, Deepfake AI are great technological tools namely for the world of Cinematography and Hollywood. Thanos, Ultron, Yoda, Avatar, Dinosaurs, etc would not exist without CGI. The other side of the Coin are the Cons of such technological tool, namely concerning face replacement and deepfakes. Same as the Infinity Stone Gauntlet, the paper examines what are the dangers of such tool in the wrong hands. The paper examines the different software that these people use to create deepfakes and tarnish the name of others. Heikkilä (2024) said that there has been some really encouraging news in the fight against deepfakes. Deepfake is a type of artificial intelligence, derived from the terms “deep learning” and “fake”(Geeksforgeeks, 2024). There are several types of these software that can be used to replace visages and cause terrible harm.

KEYWORDS: CGI, deepfakes AI , face replacements

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I. INTRODUCTION

CGI and Deepfakes AI allows unreal to be real. Thanos , Avatars, T-Rex, among others were created with CGI. Deepfake AI is another type of technology that replaces the visage of someone with another visage. All this are great advancement for the world of cinematography until , same as the infinity stone gauntlets, they are in wrong hands and there are misuse. Misuse , evil use such as using CGI and Deepfake AI to put faces of innocent people on porn videos. These acts can ruin the lives and career of many and the psychological impact can end upto depression and suicides. CGI and deepfakes causing suicides.

II. DISCUSSION

Heikkilä (2024) said that there has been some really encouraging news in the fight against deepfakes. A couple of weeks ago the US Federal Trade Commission announced it is finalizing rules banning the use of deepfakes that impersonate people. Leading AI startups and big tech companies also unveiled their voluntary commitments to combatting the deceptive use of AI in 2024 elections. A group of civil society groups, including the Future of Life Institute, SAG-AFTRA, and Encode Justice came out with a new campaign calling for a ban on deepfakes. These initiatives are a great start and raise public awareness—but the devil will be in the details. Existing rules in the UK and some US states already ban the creation and/or dissemination of deepfakes. The FTC would make it illegal for AI platforms to create content that impersonates people and would allow the agency to force scammers to return the money they made from such scams.

III. FINDINGS

Deepfakes are fake videos created with digital software, machine learning, and face swapping. These are computer-generated artificial videos in which images are blended to produce new footage depicting events, comments, or actions that never occurred. The results can be very persuasive. Deepfake, a type of artificial

intelligence, is derived from the terms “deep learning” and “fake”(Geeksforgeeks, 2024). There are several types of software namely :

1.Deepswap, an online app, lets you swap faces in photos, videos, and GIFs using clever facial recognition and machine learning. Like a “cut and paste” for faces, it analyzes and seamlessly replaces faces in your chosen media. This tech makes Deepswap popular for creating fun content, like adding a twist to friend photos or inserting yourself into a movie scene. It’s user-friendly and accessible, making it a go-to tool for those who want to explore creative face-swapping. (Geeksforgeeks, 2024)

2.Heyeditor is a deepfake software that allows users to create fun and creative content by manipulating videos and photos. It’s a tool for making entertaining and sometimes humorous videos by altering faces and voices. People use Heyeditor for playful purposes like creating funny skits or adding a unique twist to videos and photos. Just be cautious and use it responsibly, as with any technology, to avoid any negative consequences. (Geeksforgeeks, 2024)

3.FaceSwapper is a software that can take two separate pictures and “swap” the faces of the people in them. They do this by using clever technology to cut out one face from a picture and then seamlessly place it onto another person’s body in the other picture. This can be used for entertainment purposes, like putting your own face on a friend’s picture or creating funny scenarios by putting people’s faces in unexpected places (Geeksforgeeks, 2024)

4.DeepFaceLab is a software that allows you to create realistic face swaps in videos. You can take a video of your friend and replace their face with someone else’s, like a movie star or another friend. It is the best free deepfake software for PC and also it is programmed as an open-source GitHub project. It uses complex programming to analyze both faces and seamlessly switch them in the video (Geeksforgeeks, 2024).

5. FaceMagic is a user-friendly app for adding cool effects to your photos and videos. It lets you experiment with filters, stickers, and animations, making your content fun and visually appealing. Additionally, it can swap multiple faces in one video, giving you more ways to get creative. It can make all this happen with its AI-powered face recognition and deep learning techniques (Geeksforgeeks, 2024).

IV. CONCLUSION

Misuse of CGI and Deepfake AI technology are like the infinity stone gauntlet in the wrong hands. Those who do such barbaric, evil acts ruin the lives of innocents and cause damages that are difficult to repair. The public must not get fooled by such videos and picture manipulations. ‘For the husband is the head of the wife as Christ is the head of the church, his body, of which he is the Savior (Ephesians 5:23).

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