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## **AI-based Deepfakes Technology**

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Abstract: Despite the fact that controls for audio and visual media are nearly as old as the mediums themselves, A turning point in the development of fake substance has been marked by the recent introduction of deepfakes. Deepfakes provide computerised techniques to produce counterfeit goods that are getting harder and harder for human observers to spot, propelled by the most recent mechanical advancements in artificial intelligence (AI) and man-made reasoning. There are countless opportunities to deceive people, especially with staged images, recordings, and sounds, so be prepared for this as it will undoubtedly have a significant cultural impact. We will provide the working definition of deepfakes and a summary of its core innovation in this essay. To aid associations in considering the ultimate fate of deepfakes, we categorise various deepfake forms and separate risks from liberties. Finally, I have faith that the general people will be better prepared to combat deepfakes given how much we value them.

Keywords: Deepfake, A.I, Neural Network.

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