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(57) Abstract :

The present disclosure relates to a system (100) and method (300) to identify and mitigate deepfakes. The system receives a set of video and audio frames from one or more users 114 through one or more computing devices 112, identifies a known set of deepfakes using a supervised machine learning component trained using a dataset of predetermined deepfakes and identifies an unknown set of deepfakes using an unsupervised machine learning component. Additionally, the system analyzes the set of video and audio frames to detect fraudulent pictures, videos and sounds, analyzes the speech in the set of video and audio frames to identify and mitigate deepfake speech and detect and respond to deepfakes in real-time upon identification of deepfake attacks.

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