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DEEP FAKE DETECTION USING DEEP LEARNING TECHNIQUE

ANKUSH GHOSH[1], SHASHIDHAR T[2] & AJITH PADYANA[3]

[1,2&3]*Department of Computer Science and Engineering Acharya Institute of Technology, Bangalore, India*

ABSTRACT

Deep fake refers to image or video that are fakes and depict events that never occurred. That is, manipulated digital media as image of a person which is replaced by another person's likeness. The development in the area of deep fakes are equal parts astonishing and concerning. This paper demonstrates a method for automatically and proficiently detecting face alteration in an image, with an emphasis on a current technique that is used to produce forged videos that are incredibly convincing. Videos typically do not lend themselves well to traditional visual forensics approaches because of the compression, which severely degrades the data. By examining several technologies and how they are used to detect deep fakes. Researchers in this discipline will benefit from this study since it will feature cutting-edge techniques for finding deep-fakes on social media. Due to the thorough description of the most recent techniques and dataset utilized in this field, it will also aid in comparison with earlier research.

KEYWORDS: Deep fake detection, deep learning, Deepfake & Social Media

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