Keyword: Deepfake Detection and Prevention

### [Deep insights of **deepfake** technology: A review](https://arxiv.org/abs/2105.00192)

- Review Paper

- Deepfake introduction

- Deepfake application types :-

o Negative Applications

O Positive Applications

* Deepfake Generation

o Generation Tools

- FaceSwap

- FaceSwap-GAN

- Faceswap-pytorch

- DeepFaceLab

- DFaker

o Remarkable Deepfake related articles and limitations

* Deepfake Detection

O Detection Approaches

- Machine Detection

O principal component analysis (PCA)

O linear discriminant analysis (LDA)

O image quality metrics (IQM)

O support vector machine (SVM)

- Forensics

- Authentication

- Regulation

O Detection based on several artifacts

O Binary Classifier based fake video detection

O Deepfake detection related articles and limitations

* [Deepfake Technology: Biggest Cybersecurity Threat | Explained](https://www.youtube.com/watch?v=PpqGFHdVoUo&pp=ygUcZGVlcGZha2UgZGV0ZWN0aW9uIGV4cGxhaW5lZA%3D%3D)