

Image Feature Detectors for DeepFake video Detection.

Detecting DeepFake video are one of the challenges in digital media forensics. This is a method to detect deep fake video using support vector machine (svm) regression. The svm classifier can be trained with feature points extracted using one of the different feature point which includes Histogram of Oriented Gradients (HOG), ORB, BRIEF, KAZE, SURF and FAST algorithms are used and compared for detecting deep fake video. The process

For this is mentioned below the first

- i) Read the video and convert the video in to frames.
- ii) Then take the four regions which are identified in each section of the video that is frame.
- iii) Apply the feature detectors descriptors, build an svm model based on extracted features
- iv) Test the model and receive the results.

Relevance in Project

In project the video are divided in to frames which is then identified using svm to detect whether it is fake or not.