FAKE IMAGE DETECTION USING DEEP LEARNING

LITERATURE SURVEY

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|  | Name of the Journal | Algorithm | Parameter1 |
| 1. | Identifying Fake Images  Author: ShraddhaPawar ,  GaurangiPradhan,  BhavinGoswami, SonaliBhutad  Year: 2022 | CNN Based Classification  Using ELA |  |
| 2. | Fake Image Detection  Author: AkihisaKawabe,   RyutoHaga,  YoichiTomioka,  YuichiOkuyama,  Jungpil Shin  Year: 2022 | Ensemble of CNN Models  Specialized For Individual Face Parts  [This idea can be adopted  on partially manipulated deep fake images/videos.] | CSV file with pixel values |
| 3 | Enhanced Anisotropic Diffusion-based CNN-LSTM  Architecture for Video Face Liveness Detection  Author:RanjanaKoshy,   AusifMahmood  Year: 2020 | Convolutional Neural  Network (CNN) and a Long Short-Term Memory (LSTM) to classify the video sequence as real or fake. | Performance evaluation of our architecture on the REPLAY-  ATTACK dataset yields competitive results with 98.64% accuracy |
| 4 | A combination of Super-resolution and Deep Learning  Approaches applied to Image Forgery Detection  Author: Thuong Le-Tien,   PhanXuanHanh,  Nhu Pham-Ng-Quynh,   Duy Ho-Van  Year:2020 | CNN model namely VGG16 trained by the  VGG network. |  |
| 5 | Short And Low Resolution Deep fake Video Detection  Author:AshifurRahman,   NipoSiddique,  MohasinaJannatMoon,  TaheraTasnim,   Mazharul Islam,   Md. Shahid  Year: 2022 | Convolutional neural network  [that  demonstrates mentionable accuracy in detecting fake videos in low-resolution and  short-time video data.] | Face Forensics++ datasets and DFDC dataset |