| **Paper Name** | **Writers** | **Method Used** | **Dataset** | **Result** |
| --- | --- | --- | --- | --- |
| Speaker Identification Using a Hybrid CNN-MFCC Approach | i) Aweem Ashar, ii) Muhammud Shahid Bhatti, iii) Usama Mushtaq | CNN-MFCC | Custom Dataset | CNN: Accuracy-73% Precision-77.5% MFCC-DNN: Accuracy-80% Precision-85%  CNN-MFCC: Accuracy-87.5% Precision-91% |
| Text-independent speaker recognition using LSTM-RNN  and speech enhancement | i) Samia Abd El-Moneim,  ii) M. A. Nassar, iii)Moawad I. Dessouky ,  iv) Nabil A. Ismail,  v) Adel S. El-Fishawy,  vi) Fathi E. Abd El-Samie | LSTM-RNN | Chinese Mandarin Corpus Dataset | i) using MFCC: Accuracy -95.33%  ii) using Log Spectrum: Accuracy-98.7%  iii) using spectrum: Accuracy-98.7% |
| An extreme learning machine approach for speaker recognition | i) Yuan Lan  ii) Zongjiang Hu  iii) Yeng Chai Soh  iv) Guang-Bin Huang | SVM-ELM | English Language Speech Dataset for Speaker Recognition | i) using 100 positive sample and 900 negative sample: Accuracy-79%  ii) using 100 positive sample and 90 negative samples: Accuracy:84% |
| Speaker Verification using Convolutional Neural Networks | Hossein Salehghaffari | CNN | VoXCeleb | i) GMM-UBM: EER(equal error rate)-17.1  ii) I-Vectors :EER-12.8  iii) I-vectors PLDA: EER:11.5  iv) CNN-2048: EER-11.3  v) CNN-256 + Pair Selection: EER: 10.5 |
| Support Vector Machines Using GMM  Supervectors for Speaker Verification | i) W. M. Campbell,  ii) D. E. Sturim,  iii) D. A. Reynolds | GMM | 2005 NIST Speaker Recognition Corpus | i) GMM-UBM:EER-5.68%  ii) GMM-Atnorm: EER-4.03%  iii) GMM Super L^2: EER-4.31%  iv) GMM Super Linear:EER-3.77% |
| Speaker Identification by GMM based i-Vector | Soumen Kanrar | GMM based i Vector | Custom Dataset |  |
| A review on Deep Learning approaches in Speaker Identification | i) Sreenivas Sremath Tirumala  ii) Seyed Reza Shahamiri2 | DNN |  |  |
| Comparative Study of Different Techniques in  Speaker Recognition: Review | i) Sonali T. Saste  ii) Prof.S.M.Jagdale |  |  |  |
| A Voice Identification System using Hidden  Markov Model | i) T. K. Das  ii) Khalid M. O. Nahar | Hidden Markov Model | Custom Dataset | Accuracy: 90% |