Classification and Recognition of Speech Emotion Recognition using ML Algo

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Abstract: *If we want to achieve an emotional-related response from some algorithm or other intelligent machines, the initial step is to fetch precise emotion recognition. This project deals with the implementation of the deep learning model of Convolutional Neural Networks (CNN). The architecture which is primarily based on an image processing CNN was developed in Python using Keras API which is based on the TensorFlow platform. The basic methods that lay the foundation for the classification of emotion recognition based on certain voice parameters are briefly described. As per obtained results, the model tries to obtain the average precision of 79.33% for five emotions namely (happy, fear, sad, neutral, and anger), which is comparable with performances reported in scientific literature.*

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