**PROJECT REPORT**

This project aims to classify the audio files into 10 classes. The dataset used is the UrbanSound8K dataset which consists of 8732 audio files. Librosa python package was used to perform the audio analysis. Deep Neural Network model is used to perform this classification. The train data was fit into the model successfully.

REFERENCES:

1. Audio Deep Learning Made Simple : Sound Classification - by Ketan Doshi <https://towardsdatascience.com/audio-deep-learning-made-simple-sound-classification-step-by-step-cebc936bbe5>

DATASETS USED:

1. UrbanSound8K Dataset <https://urbansounddataset.weebly.com/urbansound8k.html>

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Submitted on 30-06-2021