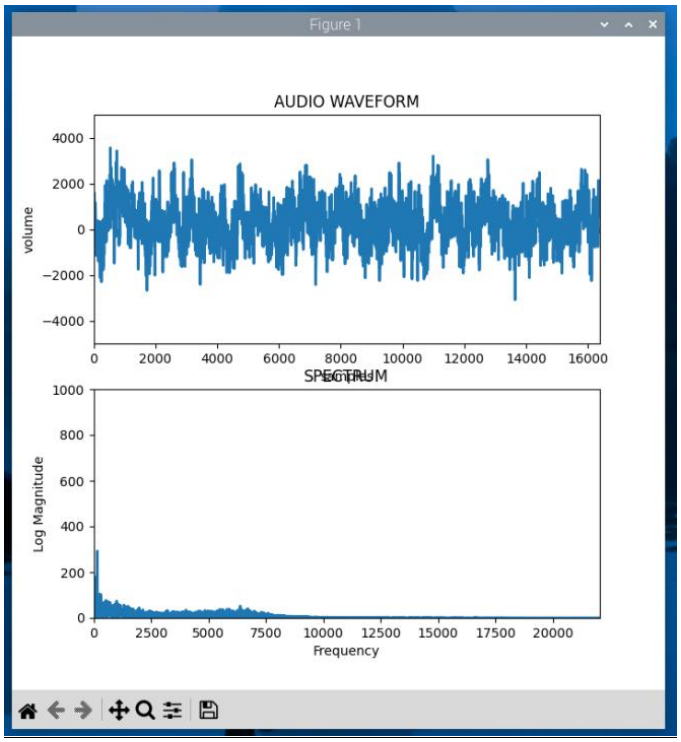
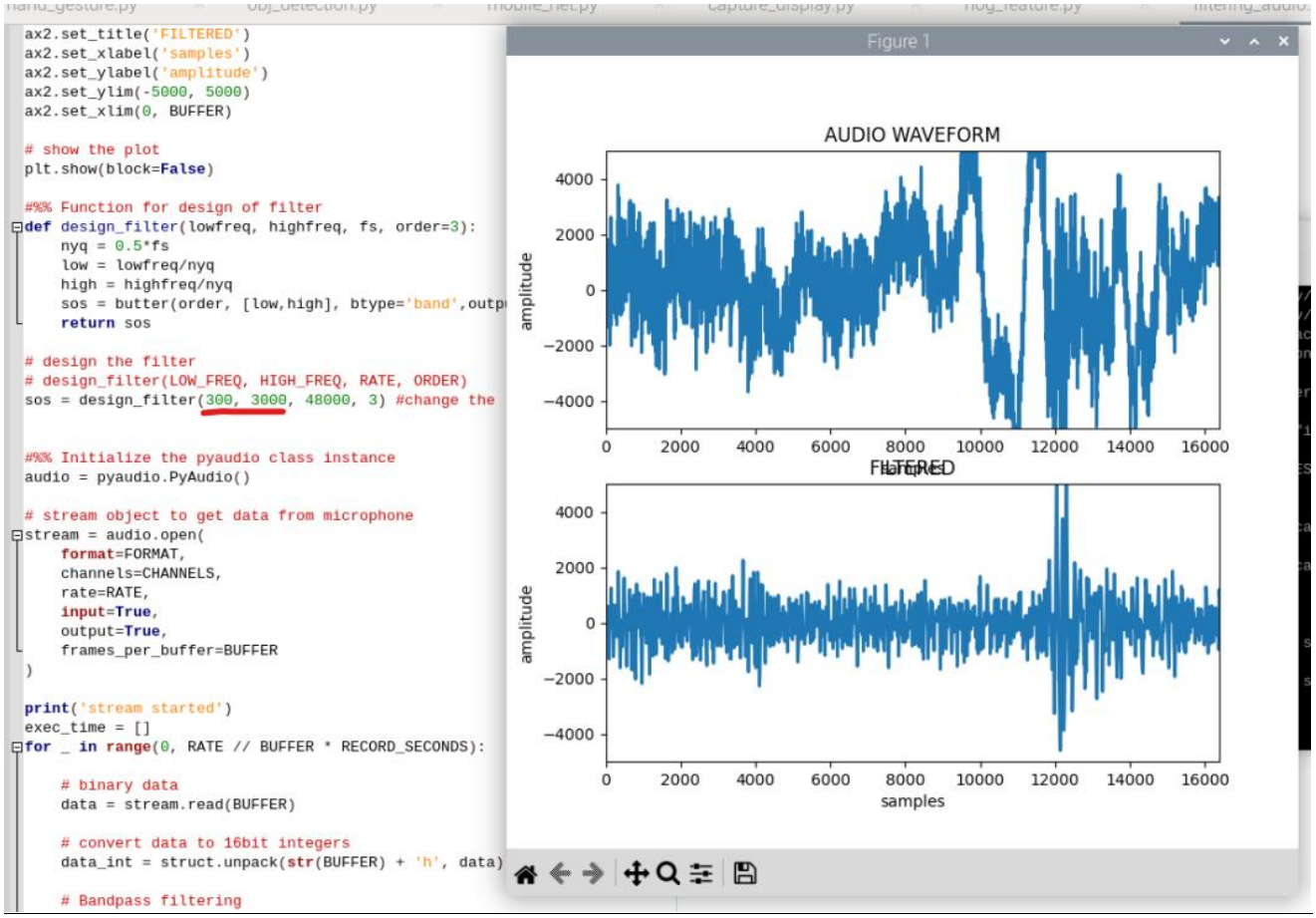
Sound Analytics Lab

Sound Processing with pyaudio

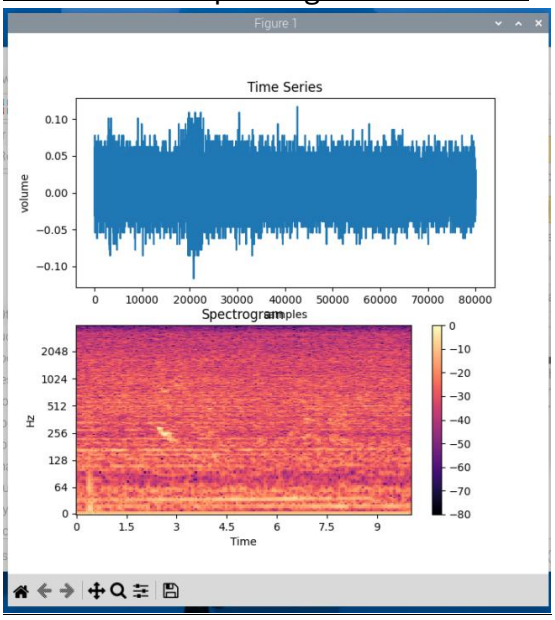


Filtering frequency with a bandpass filter

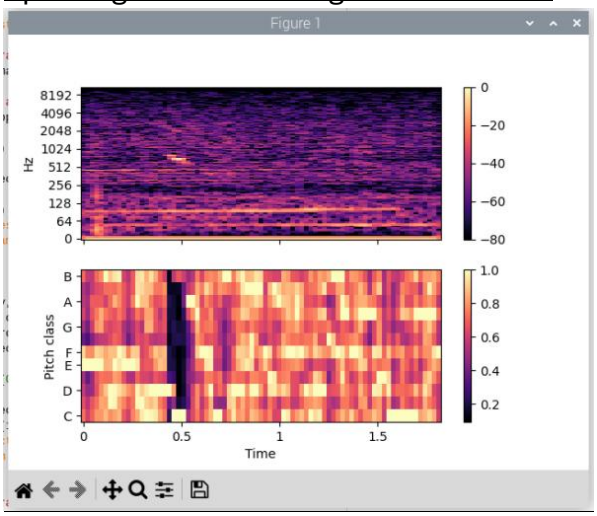


Feature extraction: Spectrogram, Chromogram, Mel-Spectrogram & MFFC with Librosa

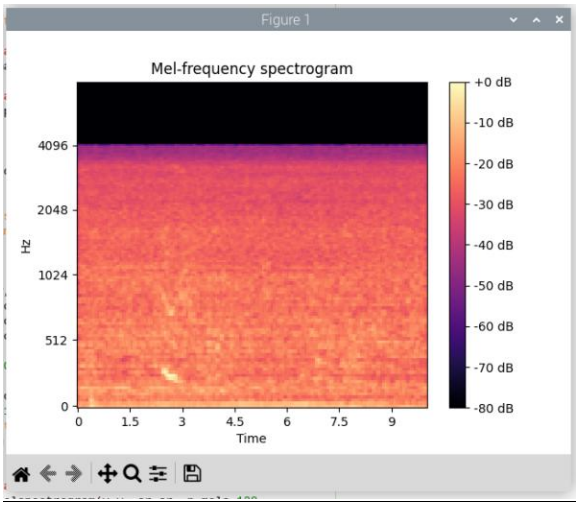
Time Series & Spectrogram of test.wav



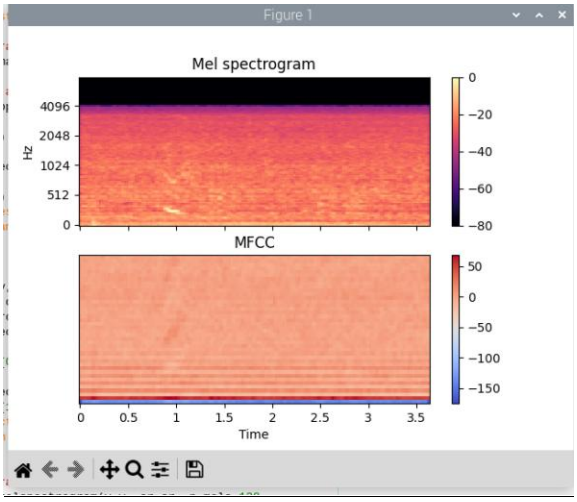
Spectrogram & Chromogram of test.wav



Mel-frequency Spectrogram of test.wav

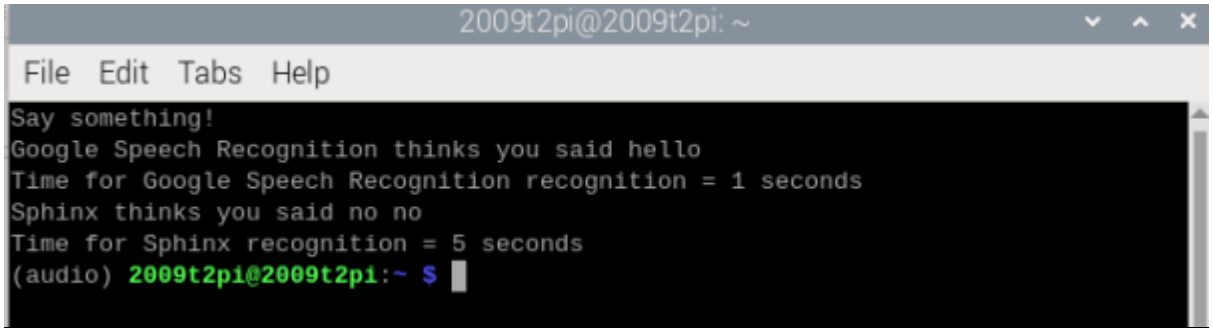


Mel-Frequency Spectrogram & Mel-Frequency Cepstral Coefficients (MFCC) of test.wav



Advanced Sound Analytics

Speech-to-Text with Google Speech Recognition API & CMUSphinx API



Modified code to detect Wake words