

**SCHOOL OF ELECTRICAL ENGINEERING AND TELECOMMUNICATIONS**

Thesis B Progress Report

By

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Thesis Submitted as a requirement for the degree Bachelor of Engineering

(Electrical Engineering)

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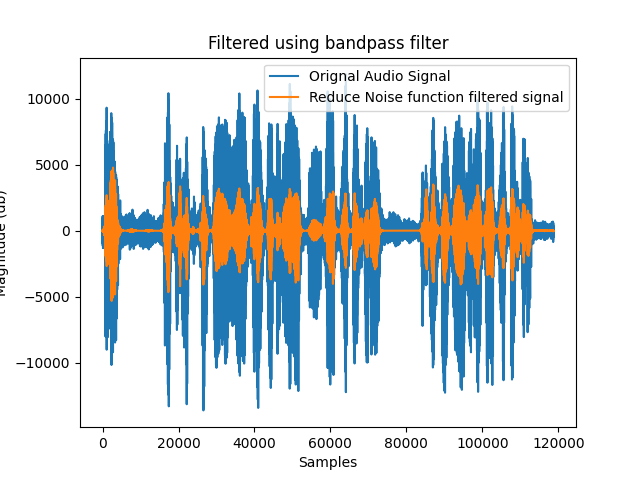
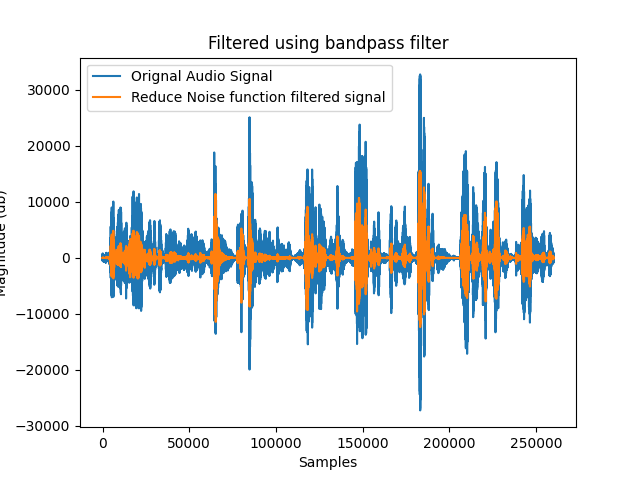
# Progress Update

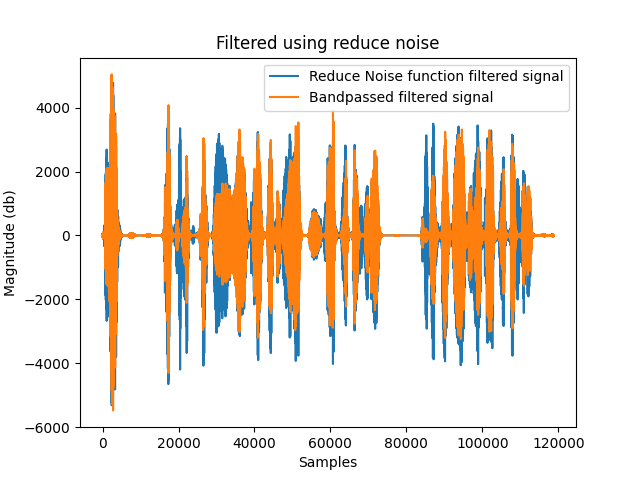
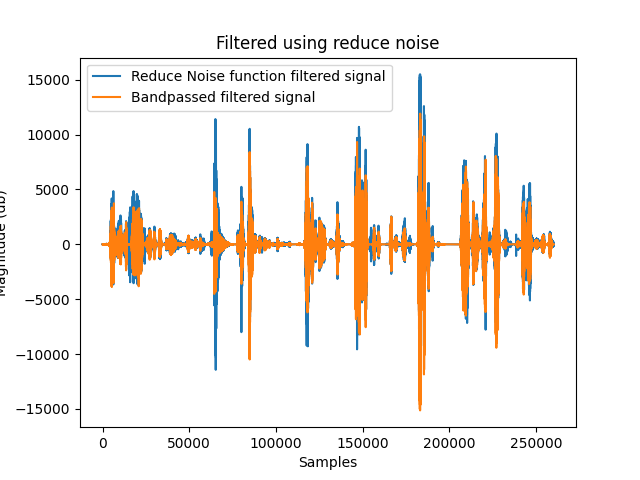
## 1.1 Summary of Thesis A

The aim of this thesis is to investigate the transfer learning as a novel and effective method of creating an accurate Arabic Dialect Identifier. Thesis A was focused on building basic background knowledge through literature reviews, meetings with my thesis supervisor Dr Beena Ahmed and with a contact in industry Ian Thorvaldson from Dubber Ai. During thesis A, existing methods for designing language identifiers and Arabic dialect identifiers were researched. As well as transfer learning methods, possible pretrained models to use, machine learning models used for classification tasks and Arabic dialect datasets. The preliminary conducted during Thesis A mainly consisted of basic data analysis and setting up the development environment to be used in Thesis B & C.

## Thesis B Progress

Data Pre-Processing





Basic Model

# Reflection

# **Revised Plan**

## 3.1 Updated Gantt Chart

# Chart Description automatically generated

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## 3.2 Risk Management