

Homework Assignment Week 1

Due Date: 14/November

Fine-tuning wav2vec 2.0

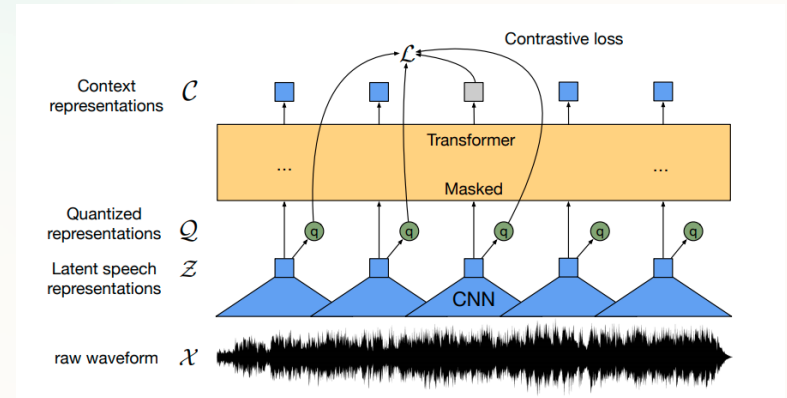
Objective:

Develop a working ASR (Automatic Speech Recognition)

Base Model: facebook/wav2vec2-base

Dataset: Arabic Common Voice

Name: mozilla-foundation/common_voice_11_0



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Key Points to Focus On:

Data Preparation:

Download and preprocess the Arabic Common Voice dataset.

Ensure proper formatting of audio files and transcriptions.

Model Fine-tuning:

Utilize the Wav2Vec 2.0 model.

Adjust hyperparameters for optimal performance.

CTC Decoder:

Greedy decoding.

