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Progress log 4: 11/02/19 – 17/02/19

Task number	Task name	Begin Date	Due date	Time spent	Completed ?	Comments
1	Make a start on the preliminary report	11/02/19	15/02/19	35 hours	Yes	
2	Continue implementing the speech recognition screen	14/02/19	17/02/19	25 hours	Yes	I was able to fix the issue I had last week with converting audio into floating point. Now I have some form of a functioning app
				60 hours	0 tasks remaining	

Purpose of tasks

For the fourth week of my project I made a start on the preliminary report. I completed all the necessary sections and am currently restructuring certain parts so that it is in the form of a report by next week. I overcame the issue I had last week with the speech recognition screen, where I had an issue in converting the audio to a floating point array. I was also able to further improve my TensorFlow model (e.g. fine-tuning hyperparameters etc.) in the attempt to improve its accuracy and avoid overfitting.

Discussion with supervisor

I showed my functioning app to my supervisor whom gave me great feedback for beginning implementation at an early stage and managing time exceptionally well. I then mentioned the remaining tasks I have to implement, which is to improve the TensorFlow model, make the app work in the background and take in voice recognition at the same time. Below are a few tasks we agreed on in which I can complete by next week.

List of tasks to complete for next week:

- Finish the preliminary report
- Finish implementation of the speech recognition screen
- Devise a plan for the testing phase, which we will enter in a few weeks time