KEYWORD SPOTTER- Assignment

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Group:

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The input batch size to the model was 64. At the end of 25 epochs, the training accuracy was 96.2% and the validation accuracy was 98.6%.

The number of Parameters in the mdoel was 42804 and the number of MACs was 238100.

For the dataset, we chose two words, 'Marvin' from the speech dataset and the custom word was 'pringles'. We collected 200 sample wav files for the training of the word 'pringles'.

During the 15-minute streaming:

When we ran the code on white noise:

Unknown detected : 3

Marvin: 1

Pringles : 0

Silence: almost all

When we ran the code on babble noise:

Marvin: 200

Pringles : 37

For the utterances:

Trevor:

Marvin 10/10   Pringles 5/10

Shruthi:

Marvin 10/10   Pringles 4/10