Neural Networks ICP-7

Github link: <https://github.com/sailikhit0920/Neural-Networks-ICP7>

Video link: <https://drive.google.com/drive/folders/1Ys5m5y5PudufoOW21fw8mma1fZKP31SM?dmr=1&ec=wgc-drive-hero-goto>

Code:

1. Importing the necessary libraries such as pandas,tensorflow, sklearn

A close-up of a text

Description automatically generated

1. Loading the dataset as pandas dataframe and selecting only necessary columns

A screen shot of a computer code

Description automatically generated

1. Performing Tokenizer and padding the feature matrix and defining lstm neuorns

A screenshot of a computer

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1. Creating a simple model with lstm,dense layers and compiling it

A close-up of a computer screen

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1. Training the model and priting out test score and accuracy

A screenshot of a computer

Description automatically generated

1. Saving the model as sentimenanalysis.h5 and loading the saved model

A screenshot of a text box

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1. Here wr are predicting the model on new text data

A screenshot of a computer

Description automatically generated

1. For hypertuning we used two optimizers adam and rmsprop to compare the performance of test score and test accuracy

A screenshot of a computer code

Description automatically generated