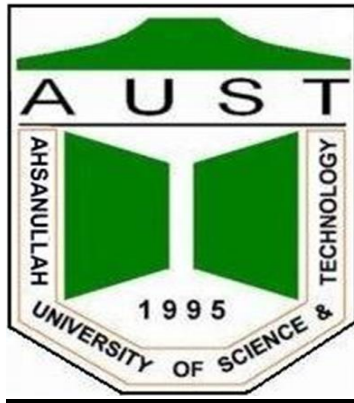


AHSANULLAH UNIVERSITY OF SCIENCE & TECHNOLOGY



Department of Computer Science & Engineering

Course No: CSE 4238

Course Name: Soft Computing Lab

Section: B Lab Group: B2

Semester: Fall 2020, Assignment No: 3

Submitted By:

Name: Shifat Islam

ID: 17.01.04.100

Dataset 2:

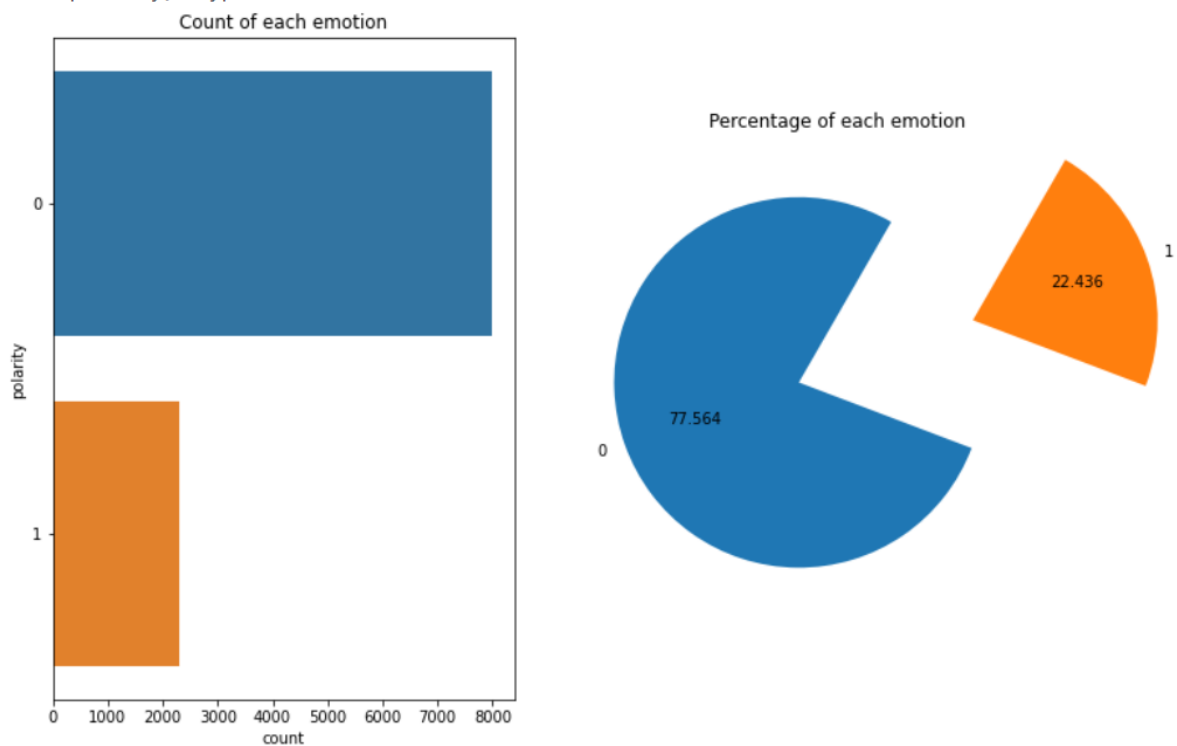
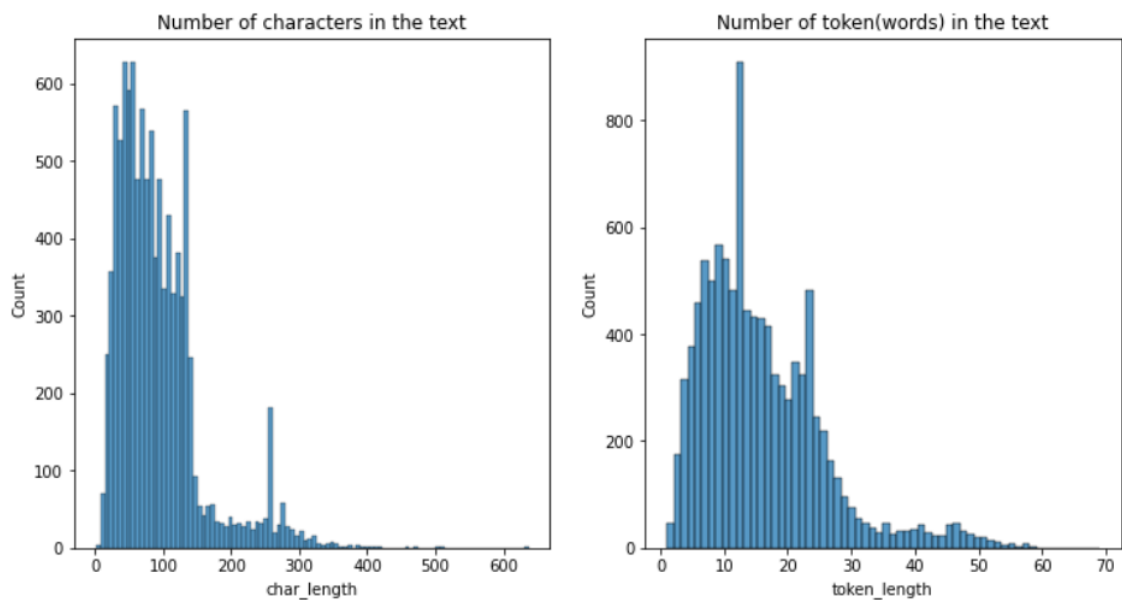


Fig: Percentage of data in dataset

Text Analysis:



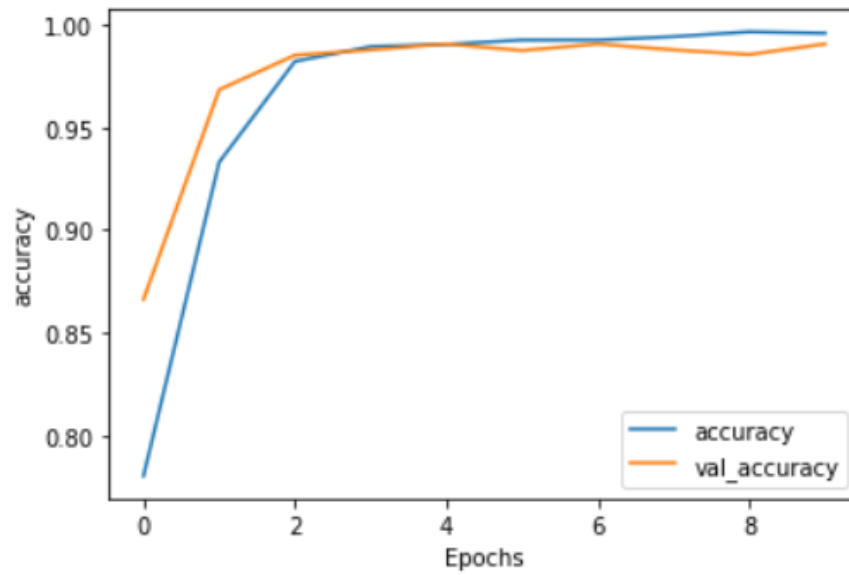
Bi-LSTM Model Using Dataset 2 :

Hyperparameter:	
Lstm Nodes	32
Hidden Layer	3
Embedding Dimension	50
Epoch	10
Batch Size	256
Verbose	2
Test Size	0.3

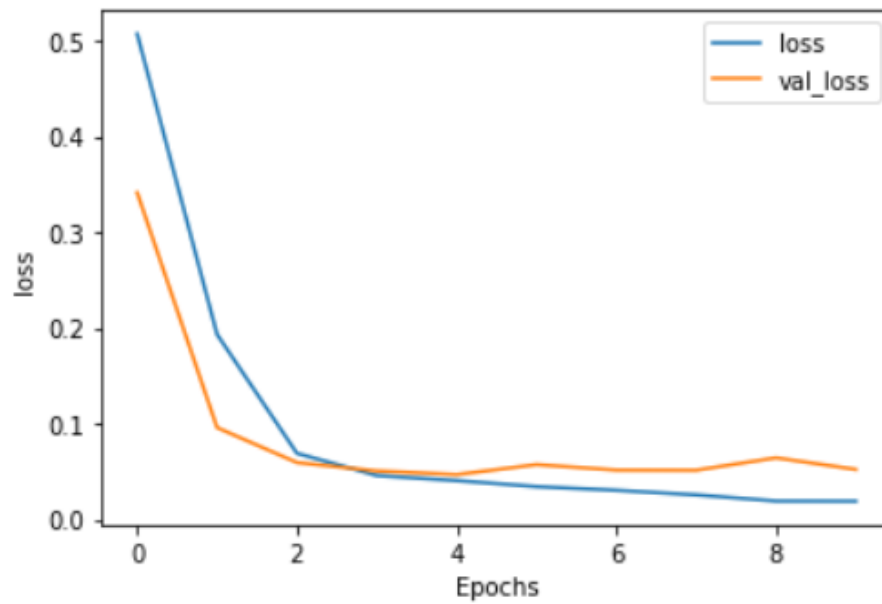
Result Analysis:

	Precision	Recall	F1-score	Support
0	0.99	1.00	0.99	2372
1	0.99	0.97	0.98	723
Accuracy			0.99	3095
Macro avg	0.99	0.98	0.99	3095
Weighted avg	0.99	0.98	0.99	3095

Accuracy:



Loss:



Git-hub link:

<https://github.com/ShifatIslam/Soft-Computing-Assignment/tree/Assignment-3>