

LSTM:

LSTM for Hindi:

Epoch: 01

Train Loss: 0.671 | Train Acc: 57.85%

Epoch: 02

Train Loss: 0.544 | Train Acc: 72.62%

Epoch: 03

Train Loss: 0.431 | Train Acc: 80.63%

Epoch: 04

Train Loss: 0.349 | Train Acc: 85.41%

Epoch: 05

Train Loss: 0.271 | Train Acc: 88.70%

Test Loss: 0.982 | Test Acc: 73.89%

LSTM for Bengali:

Epoch:01

Train Loss: 0.695 | Train Acc: 52.95%

Epoch: 02

Train Loss: 0.385 | Train Acc: 87.78%

Epoch: 03

Train Loss: 0.159 | Train Acc: 94.47%

Test Loss: 0.685 | Test Acc: 79.29%

CNN:

Bengali CNN without negative samplings:

Epoch: 01

Train Loss: 0.645 | Train Acc: 57.58%

Epoch: 02

Train Loss: 0.252 | Train Acc: 92.35%

Test Loss: 0.568 | Test Acc: 82.57%

Bengali w negative samplings:

Epoch: 01

Train Loss: 0.473 | Train Acc: 77.03%

Epoch: 02

Train Loss: 0.288 | Train Acc: 88.05%

Epoch: 03

Train Loss: 0.175 | Train Acc: 94.05%

Test Loss: 0.467 | Test Acc: 84.13%

Hindi without negative sampling

Epoch: 01

Train Loss: 0.662 | Train Acc: 54.95%

Epoch: 02

Train Loss: 0.316 | Train Acc: 89.65%

Test Loss: 0.663 | Test Acc: 76.82%

Hindi with Negative Sampling:

Epoch: 01

Train Loss: 0.571 | Train Acc: 68.49%

Epoch: 02

Train Loss: 0.352 | Train Acc: 83.99%

Epoch: 03

Train Loss: 0.220 | Train Acc: 91.68%

Test Loss: 0.520 | Test Acc: 79.08%