|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | Accuracy | Precision | Recall | F-1 Score |
| LSTM (hidden =32, layers =1, batch= 32) | 0.70 | 0.74 | 0.69 | 0.68 |
| LSTM (hidden =64, layers =1, batch= 32) | 0.65 | 0.67 | 0.64 | 0.63 |
| LSTM (hidden =128, layers =1, batch= 64) | 0.64 | 0.64 | 0.63 | 0.62 |
| LSTM (hidden =256, layers =1, batch= 64) | 0.62 | 0.63 | 0.61 | 0.61 |
| LSTM (hidden =32, layers =2, batch= 64) | 0.73 | 0.76 | 0.72 | 0.71 |
| LSTM (hidden =32, layers =4, batch= 128) | 0.78 | 0.78 | 0.77 | 0.77 |
| LSTM (hidden =32, layers =6, batch= 256) | **0.78** | **0.78** | **0.78** | **0.78** |

Oscam razer + Universal theorem

TASK 2)A+B) TRAIN 80%+ DEV (HYPER PARAM AKA MODEL SELECTION) (20% \* TRAIN\_DATA) + TEST SET (20% ALL DATA)