**IITD Machine Learning-01(chatbot)[INTP23-ML-1]**

**Day 9:**

On day 9, of IITD-AIA FSM internship, I learnt further concept of NLP

**Learning:**

I implemented LSTM on sample data where, I learnt how we used to do pre-padding, post-padding. Pre-padding is a concept for “One hot representation” we should have the length of sentence (document) in a corpus same. So, in order to do that we used to get the maximum length of sentence in the corpus and used to do pre-padding or post-padding i.e., 0’s (zeroes) get added in the starting in pre-padding and in the last in post-padding. The number of zeroes to be added is determined by:

(Max length of sentence in corpus -length of sentence in corpus)

Learnt some keras or TensorFlow and Word Embedding Representation. Also, I’m

trying for pagination through Beautiful Soup and parse the data.

Today, there was doubt session in which, discussion was on dataset. There, we got targets for next week; first and most important is EDA and some other resources for EDA itself.

**Work Done/learning Implemented:**

Implemented basic LSTM

**Is Progress As per Track?**

Yes, I learnt about NP which we will be directly used in data and also, I’m trying to implement the NLP on data and trying pagination

**Issues Faced Today:** in web scrapping.

**Issues Closed Today:** (None)

**Highlights:**

Today, I learnt NLP (LSTM RNN) and implemented them using small dataset(random).And, trying for pagination

**Concluding the day:**

So today, I learnt new concepts of deep learning and machine learning i.e., LSTM-RNN and their implementation.