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

**Day 44:**

On day 44, of IITD-AIA FSM internship, I applied Transformer.

**Learning:**

I’m working on for increasing the accuracy of my code. For that training the code again and again. Also, in order to deploy the model. I’m learning Gradio. How to provide input, output and how to deploy on hugging spaces etc. Also, I reduced the size of context removed repeated lines and unexplained terms and paragraphs from context in order to increase the accuracy.

**Work Done/learning Implemented:**

I tried different-different techniques like fine-tuning, training and reducing context in order to increase the accuracy. I used stride method i.e. stride of 50, max- length of 512 and then I'm asking questions. I got some problem in stride function instead from starting from last 50 words words from end it was taking next 50 words from previous start corrected that.

**Is Progress As per Track?**

Yes, I applied Transformer.

**Issues Faced Today: 1.**Some extra information is part of the answer

**Issues Closed Today:**Solved for context length greater than 512 with stride=100.

**Highlights:**

Today, I applied Transformer with respect to IAFSM context.

**Concluding the day:**

So today, I learnt about deep learning concept of Transformers, how to fine-tuned model on custom dataset.