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

**Day 37:**

On day 37, of IITD-AIA FSM internship, I applied Transformer.

**Learning:**

Yesterday, there are some other errors like str does not have detach (), and after changing code there is error that batch size should match 512 dimensions. So, I will work on solving these errors. And today, my code is running. Initially, I directly finetuned the distil-bert on my data which is obviously very less to get much accuracy and It was printing almost whole context (provided) as answer. Then, I changed the model from distil-bert to distil-bert-squad i.e., a distil-bert model already finetuned with SQuAD dataset and also, I fine-tuned model on my data so accuracy is increased to great level.

**Work Done/learning Implemented:**

I made json file in Squad data format and fine-tuned the model, but while asking questions there are errors in that section.

**Is Progress As per Track?**

Yes, I applied Transformer.

**Issues Faced Today: 1.** context is too large, while BERT uses 512 tokens only.

**Issues Closed Today:** saved the model on device.

**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.