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

**Day 36:**

On day 36, of IITD-AIA FSM internship, I applied Transformer.

**Learning:**

While testing the model for question asking, it was providing errors. first it was giving error model must be on same device it is on two (CUDA, CPU) as google collab does not provide much memory for the same. So, for that I switched to VS code and after that this problem got solved as whole model is in CPU. Now, 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. Now, I will work on solving this. Error.

**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.

2.batch size should match 512 dimensions

**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.