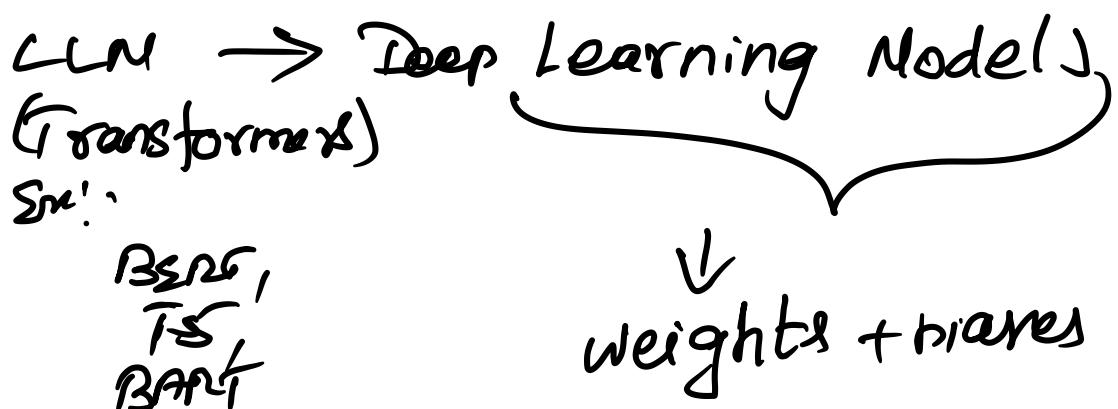


Introduction to RAG!-

Large Language Models (LLM) follows Transformer architecture. These are Deep learning models.



GPT - Decoder
BERT - Encoder

Note :-

NLP terms

upstream: Anything pertaining

Ex:- Masking

Downstream : Anything we do
post training

Ex:-

Fine tuning Text
classification, POS,
NER, Summarization,
QA, MT

& Text Generation

We do have some problems with
the LLM (or) even Small Language
Models (SLM)

Base Model (or) Foundational
Model

↓
(doesn't have your
organization
+  data)

{Custom Data}
↓
Fine Tuning Task (Expensive Task)

① Knowledge cutoff

↳ Cutoff Training ↓ Date

LLM would have some cut off in Training data i.e. not upto date In that context LLM tend to give wrong Ans (Hallucinates)

② Lack of Info in Domain specific Tasks

③ Lack of private Data

④ Loses Trusted Source