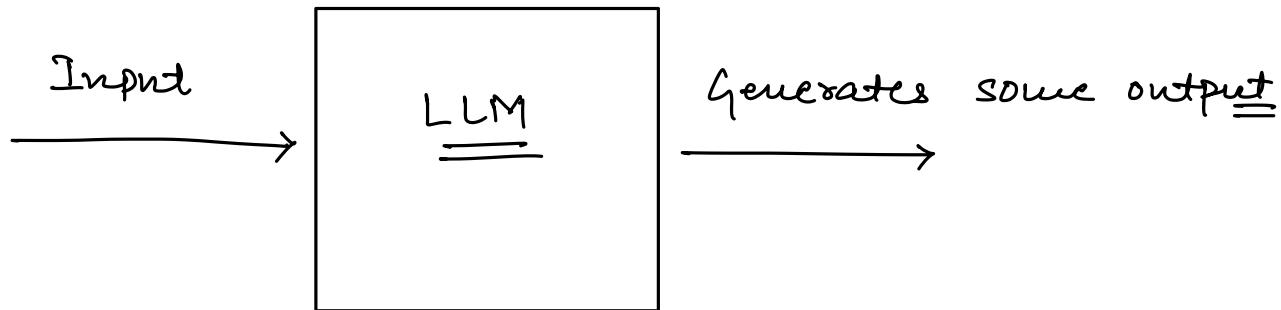


LLM fundamentals.

↳ Large Language Models.

- Tokenization
- Pre-training
- Context - Window
- Parameters-

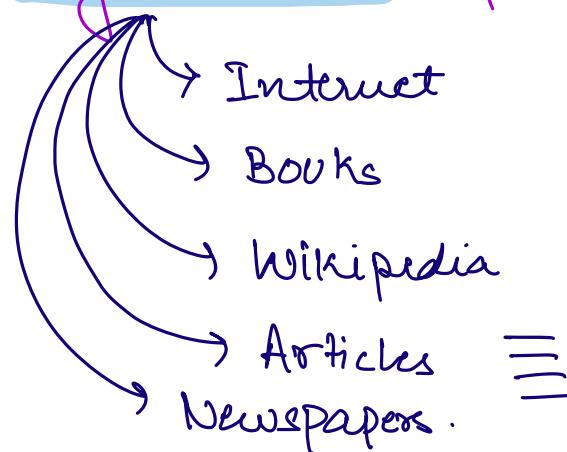


GPT.

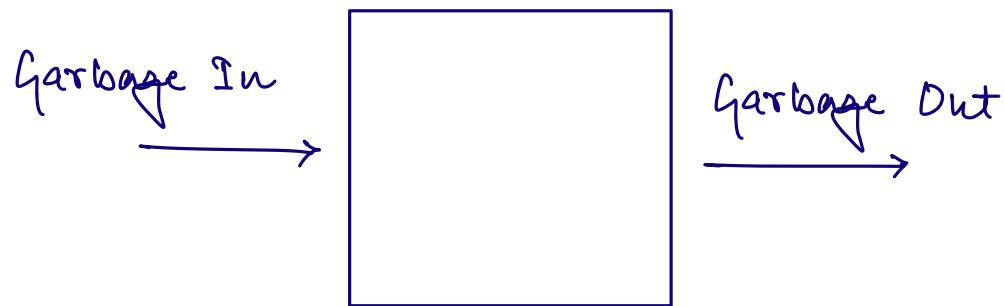
↳ Generative Pre-trained Transformer.

Data Collection.

↳ Huge amount of Data.



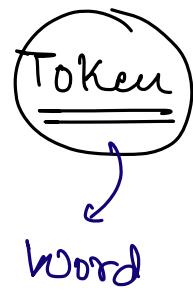
Data filtration



Tokenization.

Computer works
on Numbers.

they GPT, how are you?



Character
Subword.

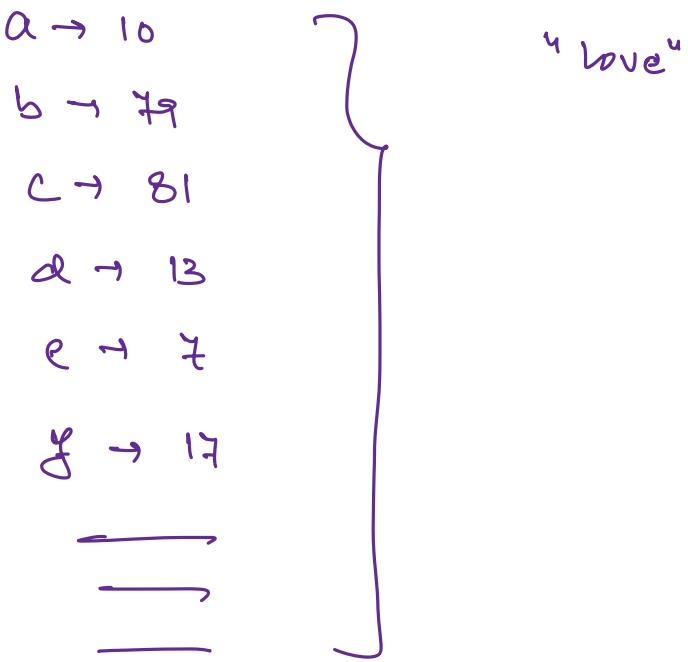
I love Programming



["I", "love", "Program", "ming"]



Each token gets some numerical value.



Model Architecture. (Transformer)

⇒ Attention Mechanism

↳ Importance of each word in a sentence.

Abhishek scored century against N2.

⇒ Right context about the sentence.

⇒ focus on more important words.

Training.



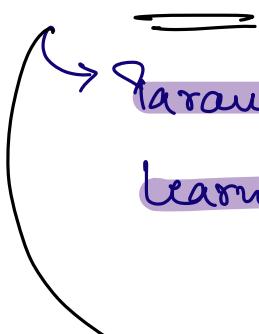
Model is trained by predicting the next Token again & again.

⇒ Get the answers with high probability.

Fine Tuning

↳ Human Feedback

Parameters.



Parameters are the numbers the model learns during training.

Model memory or knowledge

Context Window.

⇒ Maximum amount of Text (tokens) an LLM can look at and remember at a time to understand user's query & answer appropriately.

⇒ Transformers : Next Class