WHAT IS LLM?

By Kinza Saeed (Senior Student).

LLM

- LLM stands for Large Language Model.

- A type of AI program that can recognize and generate text.

- LLM are trained on huge sets of data

LLM IS A ARTIFICIAL INTELLIGENCE THAT WHO UNDERSTAND AND WRITE LIKE A HUMAN BEGIN........

HOW IT WORKS ?

LLM WORKS INTO FOLLOWING STEPS

Training on Huge Text Data

Train on huge text data like Chatgpt trained on massive datasets books , articles and websites code etc

Learning patterns, not memorize

It doesn't memorize text Instead, it learns **probabilities**: What word is likely to come next? For example: "The cat sat on the ___" → "mat" is very likely.
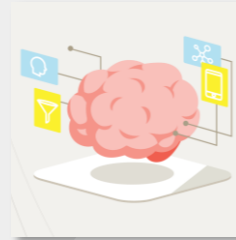
Tokenization

Input text is broken down into **tokens** (small units like words or parts of words).
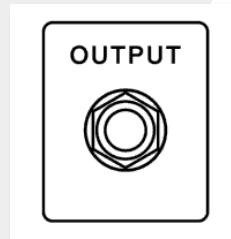
HOW IT WORKS?

Contextual Understanding

LLM doesn't take one word they understand context

Generating Output

When you give it a prompt, the model generates the **most likely next tokens** step-by-step until the response is complete. It feels like it's "thinking," but it's really predicting text based on patterns.