

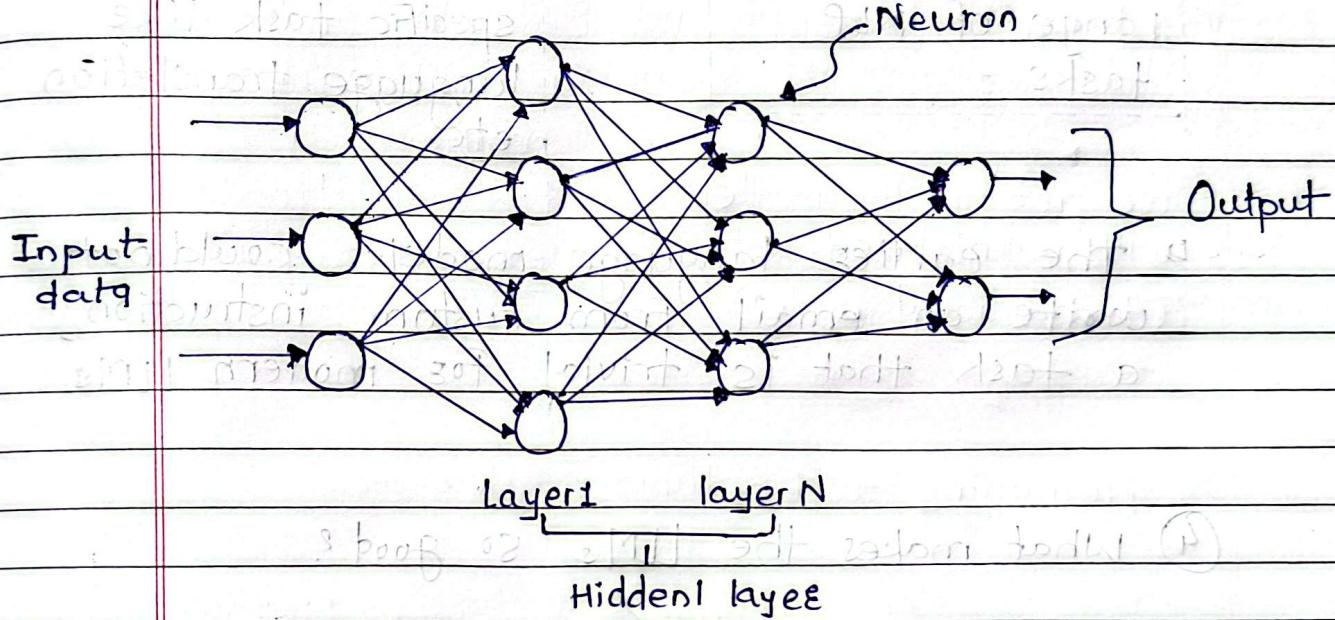
LLM & Gen AI

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① What is a large language model (LLM)?

→ It is a neural network designed to understand, generate and respond to human-like text.



→ The Deep Neural Networks are trained on massive amounts of text data.

② **LARGE LANGUAGE MODELS [LLMs]**

models have billions of parameters
ex:- GPT-3 had 175.0B parameters

These models do a wide range of NLP tasks, such as question answering, translation, sentiment analysis and much more.

GPT-3 had 175.0B parameters

The LLM only deals with language and text data

③ Modern LLMs Vs Early NLP models

The modern LLMs can do the wide range of NLP tasks.

The earliest NLP models was designed for specific task like language translation etc.

→ The earliest language models could not write an email from custom instruction, a task that is trivial for modern LLMs.

④ What makes the LLMs so good?

Transformer

Architecture

⑤ LLM Vs Gen AI vs Deep learning vs Machine-learning.

① Large language model (LLM)

② Deep learning (DL)

③ Machine Learning (ML)

④ Artificial Intelligence (AI)

LLM + DL \Rightarrow Generative AI

It uses deep neural networks to create new content such as text, images, various forms of media.

⑥ Applications of LLM's

