- Memory (STM vs LTM): Ponr by LStM Networks a
 - · Short form memory (STM) is the facts passed in as part of the prompt, like were name age etc
 - · Long term mamory (LTM) in A LLM (more specifically Agents) Storp important information for the future it saves facts Like post crents prefrences and learned skills for bother Long term preformance, unlik STM it Lives begond session
 - Other Arciticture patters: We have som RAG, ReAct, Cot but other Agent patterns are: Planner Executer (split into planar and exater to divide work, DAG Agents or Direct asgelie graph where each node is a eigent dose a tosk and passes it to the next egent with no cycles (.m. way), TOT (tree of thought) is " way to organize agands resoring the root is the main proplet and it branchis out creating ideas Isters to Irad to a sol.
- Vector Databose: when implementing something Like a RAG or Agents Vector OB stores and Retrieves embeddings efficiently, these embeddings are vector repersentation of data Like documents, text, images etc during query the system converts it to a embodding and Searches the rector DB for The most simillor/relevant embedding (ex, reletab documents I snippil-s) it dosethis using Methods Like ANN to find simula condata points in high dim space. This retrived info from DB is Meh

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