langchain- framework powerd by LLM to develop GENAI applications

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analogy with PDF search. search application should have

-semantic search: seraches the pdf with along with meaning

-natural language understanding

-context aware text generation

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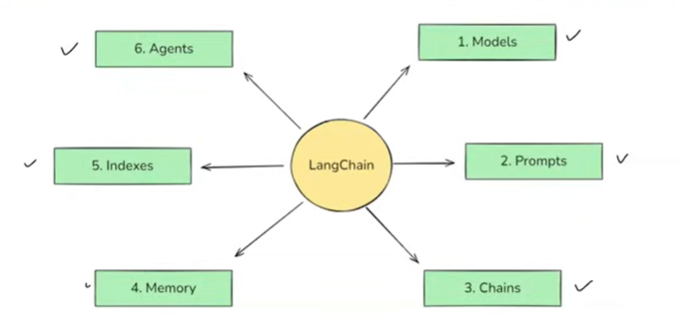
semantic search

-convert words into embedings

-compare the embedings using cosine similarity etc

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lamaindex, Haystack--similar framework like langchain



Lang chain components

Two types of models in models components

A whiteboard with text and symbols

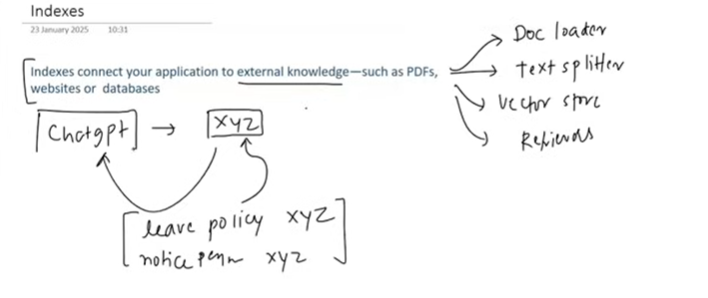
AI-generated content may be incorrect.

Chains: Important feature of langchain:provides piplines to build LLM based architecture

A diagram of a flowchart

AI-generated content may be incorrect.

Indexes



Doc loader

Text spliter

Vector store

Retriever

Memory:

LLM doesn’t have memory. That means each question we ask to LLM is independent

Memory feature in Langchain helps build this memory

