- [ ] LANGCHAIN is a simplified
- [ ] framework that simplifies the process
- [ ] of LLM powered APPS
- [ ] Langchain has
- [ ] → tools
- [ ] → Abstraction
- [ ]
- [ ] → Building an LLM App isn't straight forward

Your
Data
↓
- [ ] User → LLM ← History
- [ ] i/p ↗ ↑ ↖
- [ ] query ↙ ↑ ↘ API calls
- [ ] Other Google
  LLM Search
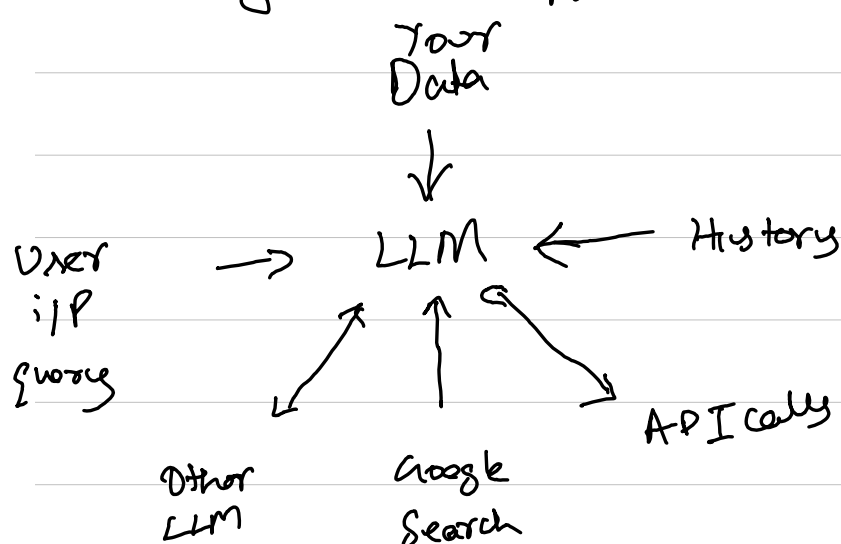
- [ ] → To build an intelligent App like above, you will
- [ ] need LangChain.
- [ ]
- [ ] → LangChain has same interface across
- [ ] all LLM vendors.
- [ ] → LangChain (LC) have prompt management
- [ ] , optimization, serialization
- [ ]
- [ ] → LC also has document loaders (.pdf,
- [ ] word, emails, etc
- [ ] → LC supports tool calling, etc
- [ ]
- [ ] → LC creates abstraction
- [ ] "chains".
- [ ]
- [ ] → LangChain
- [ ]
- [ ] └→ LangChain
- [ ]
- [ ] └→ LangChain Community
- [ ]
- [ ] └→ LangChain Core
- [ ]
- [ ] ↓ ↓
- [ ] LangChain Model IO
- [ ] Expression Language Document Load
- [ ] Vector Store
- [ ] Agent tooling
- [ ] → LangChain Hub
- [ ] ↓
- [ ] Contains a lot of prompts
- [ ] contributed by Community.
- [ ]
- [ ]
- [ ] Python 3.11.9
- [ ] langchain
- [ ] langchain-openai
- [ ] Pipenv langchain-community
- [ ] install langchainhub
- [ ] these black
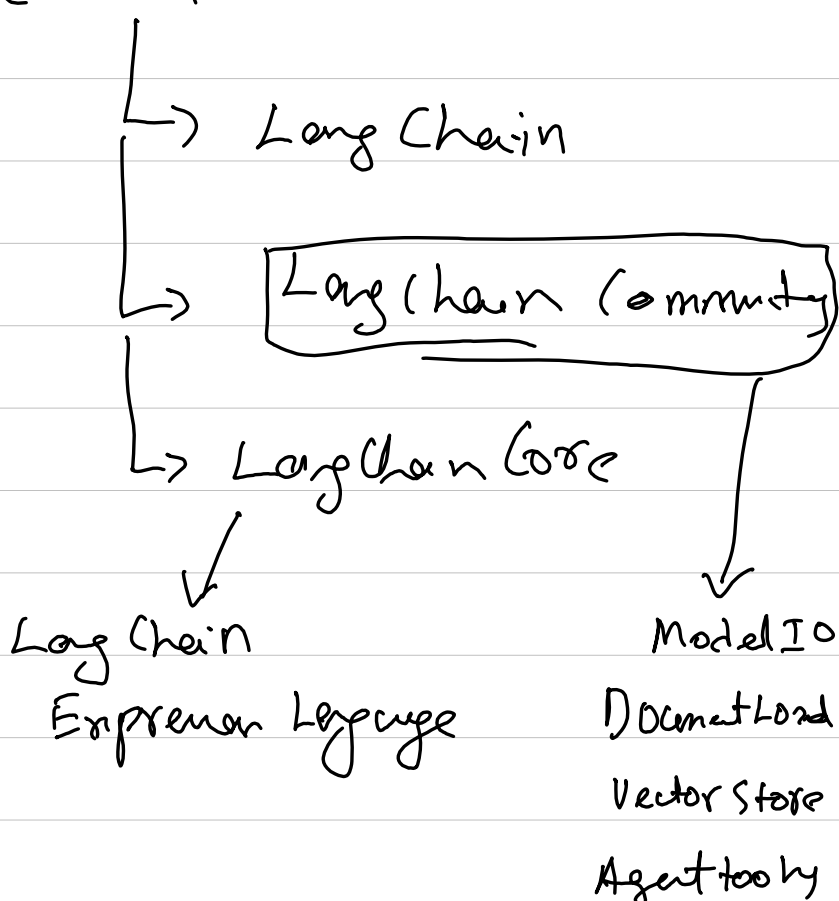
Promp Template:

Prompt is input to LLM (instructions +deta)

PromptTemplate helps to translates user inputs, parameters into instructen for LLM

Dictionary   (Key : Value)

↓

Prompt Template

↓

Prompt Value

↓   i/p to LLM : grounded prompt

LLM

Chat Models:

Provide access to LLM via ChatModels

List of Messages i/p

↓

ChatModel

↓

Message O/P

→ They also support:

→ tool calling

→ Structured O/P

→ Multimodal i/p o/p.