

Overview of LangChain

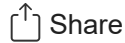
Motto: Building applications with LLMs through composability



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Published in Technology Hits

2 min read · Just now



Fascinated by apps like ChatGPT? Wish to experiment with models behind them? Even open-source/free models? Look no further... LangChain is the way to go ...

LangChain is an open-source library that provides developers with the necessary tools to create applications powered by large language models (LLMs) [1][2]. It is a framework built around LLMs that can be used for chatbots, Generative Question-Answering (GQA), summarization, and much more [3]. The core idea of the library is that developers can “chain” together different components to create more advanced use cases around LLMs [3]. Chains may consist of multiple components from several modules [3]. LangChain is packed full of incredible features for building amazing tools around the core of LLMs [3].

Advantages

- LangChain provides out-of-the-box support to build NLP applications using LLMs [2].
- It allows developers to chain together different components to create more advanced use cases around LLMs [3].
- LangChain can be particularly useful in the complex field of data science [1].

Disadvantages

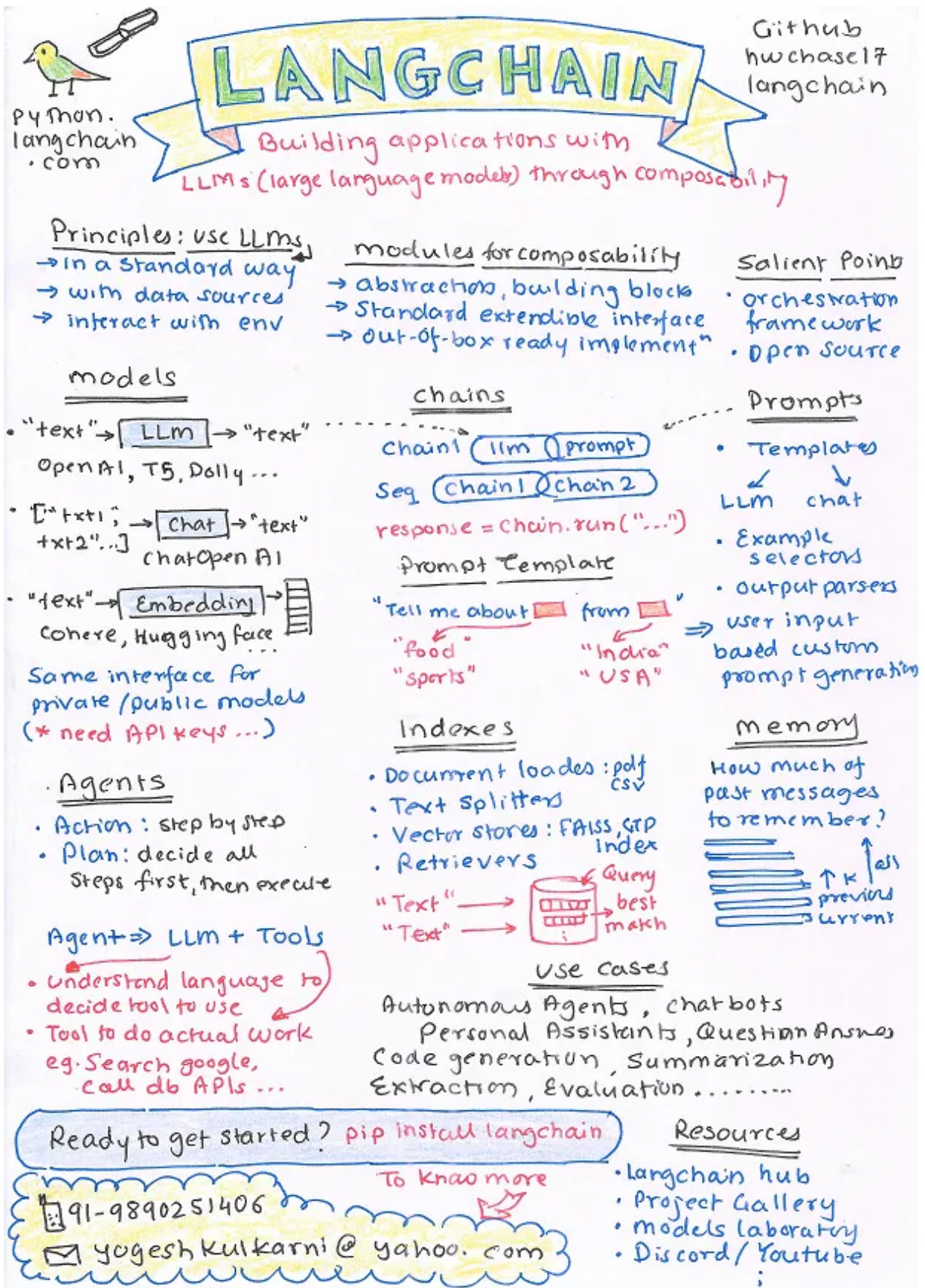
- LangChain is a relatively new library, so there may be some bugs or issues that have not yet been discovered or resolved.
- It may require some time and effort to learn how to use LangChain effectively.

Applications

- LangChain can be used for chatbots, Generative Question-Answering (GQA), summarization, and much more [3].

- It can be used to build NLP applications using LLMs [2].
- LangChain can be particularly useful in the complex field of data science [1].
- It can be used to build search engines using LLM embeddings and a vector database [4].

Below is a high level overview of LangChain in form of a Sketchnote



References

[1]

What is LangChain? Why Use LangChain?

One sentence answer: It's an open-source library that equips developers with the necessary tools to create applications...

www.einblick.ai

[2]

LangChain 101: Build Your Own GPT-Powered Applications - KDnuggets

Image by Author The success of ChatGPT and GPT-4 have shown how large language models trained with reinforcement can...

www.kdnuggets.com

[3]

LangChain: Introduction and Getting Started | Pinecone

Large Language Models (LLMs) entered the world stage with the release of OpenAI's GPT-3 in 2020 [1]. Since then...

www.pinecone.io

[4]

Building an LLM open source search engine using LangChain and Ray

In this blog, we show how you can integrate Ray and LangChain to scale out your LLM apps. We start with an introduction...

www.anyscale.com

Langchain

Artificial Intelligence

Natural language processing

Sketchnote

Future

