

# **LangChain for LLM Application Development**

## **Guided Project**

*Solo or team?: Solo (Guided)*  
*Personal or School?: Personal*  
*Approximate date: January 2025*

### **Why did I do this?**

The moment I learned about LangChain in my AI Engineering Professional Certificate program, I was fascinated by it. There is so much potential for developing language based reasoning applications, and LangChain is the perfect tool for the job. I hope to make many custom LangChain applications in the future, but this guided project served as a great next step in terms of getting experience with the fundamentals of the library's features and intended workflow.

*The following is an excerpt from Coursera's website*

### **About this project**

In LangChain for LLM Application Development, you will gain essential skills in expanding the use cases and capabilities of language models in application development using the LangChain framework.

In this course you will learn and get experience with the following topics:

1. Models, Prompts and Parsers: Calling LLMs, providing prompts and parsing the response.
2. Memories for LLMs: Memories to store conversations and manage limited context space.
3. Chains: Creating sequences of operations.
4. Question Answering over Documents: Apply LLMs to your proprietary data and use case requirements.
5. Agents: Explore the powerful emerging development of LLM as reasoning agents.

This course, instructed by the creator of LangChain Harrison Chase as well as Andrew Ng will vastly expand the possibilities for leveraging powerful language models, where you can now create incredibly robust applications in a matter of hours.