

Setting up LangChain for LLM App Development

Instructor

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Outline

- Setting Up Python Environment
- LangChain Libraries Used in the Course
- Installing the LangChain Ecosystem

Setting Up Python Environment



Google Colab or JupyterLab or Notebook

Python 3.10+

LangChain Libraries used in the Course

Library	Version	Description
langchain	0.1.19	Provides building blocks for developing LLM powered applications
langchain-openai	0.1.6	Provides integrations for accessing Open AI LLMs like ChatGPT
langchain-community	0.0.38	Provides integrations to a variety of community contributed LLMs, Vector Stores and more
langserve	0.1.1	Enables the deployment of LangChain models and chains as REST APIs
langsmith	0.1.56	Enables debugging, testing, & monitoring of LLM applications to optimize performance and reliability
langgraph	0.0.48	Enables creation of stateful, agents, state-machines and multi-actor agents using a graph-based framework

Installing the LangChain Ecosystem



```
!pip install langchain==0.1.19
!pip install langchain-openai==0.1.6
!pip install langchain-community==0.0.38
!pip install langserve==0.1.1
!pip install langsmith==0.1.56
!pip install langgraph==0.0.48
```

- The easiest way is to install the libraries on Google Colab
- Can also install them from Jupyter Notebook or the terminal

Note: We will mention the relevant libraries as we use them in specific modules throughout the course.

Thank You
