

Open vs code only

```
cd "file_folder"
"File_folder" streamlit run "File_name"
```

pip install --upgrade langchain langchain-community

```
Requirement already satisfied: langchain in /usr/local/lib/python3.11/dist-packages (0.3.17)
Collecting langchain
  Downloading langchain-0.3.18-py3-none-any.whl.metadata (7.8 kB)
Collecting langchain-community
  Downloading langchain_community-0.3.17-py3-none-any.whl.metadata (2.4 kB)
Collecting langchain-core<1.0.0,>=0.3.34 (from langchain)
  Downloading langchain_core-0.3.34-py3-none-any.whl.metadata (5.9 kB)
Collecting langchain-text-splitters<1.0.0,>=0.3.6 (from langchain)
  Downloading langchain_text_splitters-0.3.6-py3-none-any.whl.metadata (1.9 kB)
Requirement already satisfied: langsmith<0.4,>=0.1.17 in /usr/local/lib/python3.11/dist-packages (from langchain) (0.3.6)
Requirement already satisfied: pydantic<3.0.0,>=2.7.4 in /usr/local/lib/python3.11/dist-packages (from langchain) (2.10.6)
Requirement already satisfied: SQLAlchemy<3,>=1.4 in /usr/local/lib/python3.11/dist-packages (from langchain) (2.0.37)
Requirement already satisfied: requests<3,>=2 in /usr/local/lib/python3.11/dist-packages (from langchain) (2.32.3)
Requirement already satisfied: PyYAML<=5.3 in /usr/local/lib/python3.11/dist-packages (from langchain) (6.0.2)
Requirement already satisfied: aiohttp<4.0.0,>=3.8.3 in /usr/local/lib/python3.11/dist-packages (from langchain) (3.11.12)
Requirement already satisfied: tenacity<=8.4.0,<10,>=8.1.0 in /usr/local/lib/python3.11/dist-packages (from langchain) (9.0.0)
Requirement already satisfied: numpy<2,>=1.26.4 in /usr/local/lib/python3.11/dist-packages (from langchain) (1.26.4)
Collecting dataclasses-json<0.7,>=0.5.7 (from langchain-community)
  Downloading dataclasses_json-0.6.7-py3-none-any.whl.metadata (25 kB)
Collecting pydantic-settings<3.0.0,>=2.4.0 (from langchain-community)
  Downloading pydantic_settings-2.7.1-py3-none-any.whl.metadata (3.5 kB)
Collecting httpx-sse<1.0.0,>=0.4.0 (from langchain-community)
  Downloading httpx_sse-0.4.0-py3-none-any.whl.metadata (9.0 kB)
Requirement already satisfied: aiohappyeyeballs<=2.3.0 in /usr/local/lib/python3.11/dist-packages (from aiohttp<4.0.0,>=3.8.3->langchain) (2.4.4)
Requirement already satisfied: aiosignal<=1.1.2 in /usr/local/lib/python3.11/dist-packages (from aiohttp<4.0.0,>=3.8.3->langchain) (1.3.1)
Requirement already satisfied: attrs<=17.3.0 in /usr/local/lib/python3.11/dist-packages (from aiohttp<4.0.0,>=3.8.3->langchain) (25.1.0)
Requirement already satisfied: frozenlist<=1.1.1 in /usr/local/lib/python3.11/dist-packages (from aiohttp<4.0.0,>=3.8.3->langchain) (1.4.1)
Requirement already satisfied: multidict<=7.0,>=4.5 in /usr/local/lib/python3.11/dist-packages (from aiohttp<4.0.0,>=3.8.3->langchain) (6.1.0)
Requirement already satisfied: propcache<=0.2.0 in /usr/local/lib/python3.11/dist-packages (from aiohttp<4.0.0,>=3.8.3->langchain) (0.2.0)
Requirement already satisfied: yarl<=2.0,>=1.17.0 in /usr/local/lib/python3.11/dist-packages (from aiohttp<4.0.0,>=3.8.3->langchain) (1.17.0)
Collecting marshmallow<4.0.0,>=3.18.0 (from dataclasses-json<0.7,>=0.5.7->langchain-community)
  Downloading marshmallow-3.26.1-py3-none-any.whl.metadata (7.3 kB)
Collecting typing-inspect<1,>=0.4.0 (from dataclasses-json<0.7,>=0.5.7->langchain-community)
  Downloading typing_inspect-0.9.0-py3-none-any.whl.metadata (1.5 kB)
Requirement already satisfied: jsonpatch<2.0,>=1.33 in /usr/local/lib/python3.11/dist-packages (from langchain-core<1.0.0,>=0.3.34) (1.33)
Requirement already satisfied: packaging<25,>=23.2 in /usr/local/lib/python3.11/dist-packages (from langchain-core<1.0.0,>=0.3.34) (25.0)
Requirement already satisfied: typing-extensions<=4.7 in /usr/local/lib/python3.11/dist-packages (from langchain-core<1.0.0,>=0.3.34) (4.7.0)
Requirement already satisfied: httpx<1,>=0.23.0 in /usr/local/lib/python3.11/dist-packages (from langsmith<0.4,>=0.1.17->langchain) (0.27.0)
Requirement already satisfied: orjson<4.0.0,>=3.9.14 in /usr/local/lib/python3.11/dist-packages (from langsmith<0.4,>=0.1.17->langchain) (3.10.15)
Requirement already satisfied: requests-toolbelt<2.0.0,>=1.0.0 in /usr/local/lib/python3.11/dist-packages (from langsmith<0.4,>=0.1.17->langchain) (1.0.0)
Requirement already satisfied: zstandard<0.24.0,>=0.23.0 in /usr/local/lib/python3.11/dist-packages (from langsmith<0.4,>=0.1.17->langchain) (0.23.0)
Requirement already satisfied: annotated-types<=0.6.0 in /usr/local/lib/python3.11/dist-packages (from pydantic<3.0.0,>=2.7.4->langchain) (0.6.0)
Requirement already satisfied: pydantic-core<=2.27.2 in /usr/local/lib/python3.11/dist-packages (from pydantic<3.0.0,>=2.7.4->langchain) (2.27.2)
Collecting python-dotenv<=0.21.0 (from pydantic-settings<3.0.0,>=2.4.0->langchain-community)
  Downloading python_dotenv-1.0.1-py3-none-any.whl.metadata (23 kB)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2->langchain) (3.4.0)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2->langchain) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2->langchain) (2.2.3)
Requirement already satisfied: certifi<=2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2->langchain) (2025.1.1)
Requirement already satisfied: greenlet<=0.4.17 in /usr/local/lib/python3.11/dist-packages (from SQLAlchemy<3,>=1.4->langchain) (3.0.3)
Requirement already satisfied: anyio in /usr/local/lib/python3.11/dist-packages (from httpx<1,>=0.23.0->langsmith<0.4,>=0.1.17->langchain) (4.3.0)
Requirement already satisfied: httpcore<=1.* in /usr/local/lib/python3.11/dist-packages (from httpx<1,>=0.23.0->langsmith<0.4,>=0.1.17->langchain) (1.0.5)
Requirement already satisfied: h11<0.15,>=0.13 in /usr/local/lib/python3.11/dist-packages (from httpcore<=1.*->httpx<1,>=0.23.0->langsmith<0.4,>=0.1.17->langchain) (0.14.0)
Requirement already satisfied: jsonpointer<=1.9 in /usr/local/lib/python3.11/dist-packages (from jsonpatch<2.0,>=1.33->langchain-core<1.0.0,>=0.3.34) (2.3)
Collecting mypy_extensions<=1.0.0-py3-none-any.whl.metadata (1.1 kB)
Requirement already satisfied: sniffio<=1.1 in /usr/local/lib/python3.11/dist-packages (from anyio->httpx<1,>=0.23.0->langsmith<0.4,>=0.1.17->langchain) (1.3.1)
```

pip install -U langchain-ollama

```
Collecting langchain-ollama
  Downloading langchain_ollama-0.2.3-py3-none-any.whl.metadata (1.9 kB)
Requirement already satisfied: langchain-core<0.4.0,>=0.3.33 in /usr/local/lib/python3.11/dist-packages (from langchain-ollama) (0.3.33)
Collecting ollama<1,>=0.4.4 (from langchain-ollama)
  Downloading ollama-0.4.7-py3-none-any.whl.metadata (4.7 kB)
Requirement already satisfied: langsmith<0.4,>=0.1.125 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.4.0,>=0.3.33) (0.3.6)
Requirement already satisfied: tenacity<=8.4.0,<10.0.0,>=8.1.0 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.4.0,>=0.3.33) (9.0.0)
Requirement already satisfied: jsonpatch<2.0,>=1.33 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.4.0,>=0.3.33) (1.33)
Requirement already satisfied: PyYAML<=5.3 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.4.0,>=0.3.33) (6.0.2)
Requirement already satisfied: packaging<25,>=23.2 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.4.0,>=0.3.33) (25.0)
Requirement already satisfied: typing-extensions<=4.7 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.4.0,>=0.3.33) (4.7.0)
Requirement already satisfied: pydantic<3.0.0,>=2.5.2 in /usr/local/lib/python3.11/dist-packages (from langchain-core<0.4.0,>=0.3.33) (2.10.6)
Requirement already satisfied: httpx<0.29,>=0.27 in /usr/local/lib/python3.11/dist-packages (from ollama<1,>=0.4.4->langchain-ollama) (0.27.0)
Requirement already satisfied: anyio in /usr/local/lib/python3.11/dist-packages (from httpx<0.29,>=0.27->ollama<1,>=0.4.4->langchain-ollama) (4.3.0)
Requirement already satisfied: certifi in /usr/local/lib/python3.11/dist-packages (from httpx<0.29,>=0.27->ollama<1,>=0.4.4->langchain-ollama) (2025.1.1)
Requirement already satisfied: httpcore<=1.* in /usr/local/lib/python3.11/dist-packages (from httpx<0.29,>=0.27->ollama<1,>=0.4.4->langchain-ollama) (1.0.5)
Requirement already satisfied: idna in /usr/local/lib/python3.11/dist-packages (from httpx<0.29,>=0.27->ollama<1,>=0.4.4->langchain-ollama) (3.10)
Requirement already satisfied: h11<0.15,>=0.13 in /usr/local/lib/python3.11/dist-packages (from httpcore<=1.*->httpx<0.29,>=0.27->ollama<1,>=0.4.4->langchain-ollama) (0.14.0)
Requirement already satisfied: jsonpointer<=1.9 in /usr/local/lib/python3.11/dist-packages (from jsonpatch<2.0,>=1.33->langchain-core<1.0.0,>=0.3.33) (2.3)
```

```
Requirement already satisfied: orjson<4.0.0,>=3.9.14 in /usr/local/lib/python3.11/dist-packages (from langsmith<0.4,>=0.1.125->langchain-cc)
Requirement already satisfied: requests<3,>=2 in /usr/local/lib/python3.11/dist-packages (from langsmith<0.4,>=0.1.125->langchain-cc)
Requirement already satisfied: requests-toolbelt<2.0.0,>=1.0.0 in /usr/local/lib/python3.11/dist-packages (from langsmith<0.4,>=0.1.125->langchain-cc)
Requirement already satisfied: zstandard<0.24.0,>=0.23.0 in /usr/local/lib/python3.11/dist-packages (from langsmith<0.4,>=0.1.125->langchain-cc)
Requirement already satisfied: annotated-types>=0.6.0 in /usr/local/lib/python3.11/dist-packages (from pydantic<3.0.0,>=2.5.2->langchain-cc)
Requirement already satisfied: pydantic-core==2.27.2 in /usr/local/lib/python3.11/dist-packages (from pydantic<3.0.0,>=2.5.2->langchain-cc)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2->langsmith<0.4,>=0.1.125->langchain-cc)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2->langsmith<0.4,>=0.1.125->langchain-cc)
Requirement already satisfied: sniffio>=1.1 in /usr/local/lib/python3.11/dist-packages (from anyio->httpx<0.29,>=0.27->ollama<1,>=0.4.7)
Downloading langchain_ollama-0.2.3-py3-none-any.whl (19 kB)
Downloading ollama-0.4.7-py3-none-any.whl (13 kB)
Installing collected packages: ollama, langchain-ollama
Successfully installed langchain-ollama-0.2.3 ollama-0.4.7
```

pip install streamlit

```
Collecting streamlit
  Downloading streamlit-1.42.0-py2.py3-none-any.whl.metadata (8.9 kB)
Requirement already satisfied: altair<6,>=4.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (5.5.0)
Requirement already satisfied: blinker<2,>=1.0.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (1.9.0)
Requirement already satisfied: cachetools<6,>=4.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (5.5.1)
Requirement already satisfied: click<9,>=7.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (8.1.8)
Requirement already satisfied: numpy<3,>=1.23 in /usr/local/lib/python3.11/dist-packages (from streamlit) (1.26.4)
Requirement already satisfied: packaging<25,>=20 in /usr/local/lib/python3.11/dist-packages (from streamlit) (24.2)
Requirement already satisfied: pandas<3,>=1.4.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (2.2.2)
Requirement already satisfied: pillow<12,>=7.1.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (11.1.0)
Requirement already satisfied: protobuf<6,>=3.20 in /usr/local/lib/python3.11/dist-packages (from streamlit) (4.25.6)
Requirement already satisfied: pyarrow>=7.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (17.0.0)
Requirement already satisfied: requests<3,>=2.27 in /usr/local/lib/python3.11/dist-packages (from streamlit) (2.32.3)
Requirement already satisfied: rich<14,>=10.14.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (13.9.4)
Requirement already satisfied: tenacity<10,>=8.1.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (9.0.0)
Requirement already satisfied: toml<2,>=0.10.1 in /usr/local/lib/python3.11/dist-packages (from streamlit) (0.10.2)
Requirement already satisfied: typing-extensions<5,>=4.4.0 in /usr/local/lib/python3.11/dist-packages (from streamlit) (4.12.2)
Collecting watchdog<7,>=2.1.5 (from streamlit)
  Downloading watchdog-6.0.0-py3-none-manylinux2014_x86_64.whl.metadata (44 kB)
    44.3/44.3 kB 2.7 MB/s eta 0:00:00
Requirement already satisfied: gitpython!=3.1.19,<4,>=3.0.7 in /usr/local/lib/python3.11/dist-packages (from streamlit) (3.1.44)
Collecting pydeck<1,>=0.8.0b4 (from streamlit)
  Downloading pydeck-0.9.1-py2.py3-none-any.whl.metadata (4.1 kB)
Requirement already satisfied: tornado<7,>=6.0.3 in /usr/local/lib/python3.11/dist-packages (from streamlit) (6.4.2)
Requirement already satisfied: jinja2 in /usr/local/lib/python3.11/dist-packages (from altair<6,>=4.0->streamlit) (3.1.5)
Requirement already satisfied: jsonschema>=3.0 in /usr/local/lib/python3.11/dist-packages (from altair<6,>=4.0->streamlit) (4.23.0)
Requirement already satisfied: nrwall>=1.14.2 in /usr/local/lib/python3.11/dist-packages (from altair<6,>=4.0->streamlit) (1.25.1)
Requirement already satisfied: gitdb<5,>=4.0.1 in /usr/local/lib/python3.11/dist-packages (from gitpython!=3.1.19,<4,>=3.0.7->streamlit) (4.0.1)
Requirement already satisfied: python-dateutil>=2.8.2 in /usr/local/lib/python3.11/dist-packages (from pandas<3,>=1.4.0->streamlit) (2.9.0)
Requirement already satisfied: pytz>=2020.1 in /usr/local/lib/python3.11/dist-packages (from pandas<3,>=1.4.0->streamlit) (2025.1)
Requirement already satisfied: tzdata>=2022.7 in /usr/local/lib/python3.11/dist-packages (from pandas<3,>=1.4.0->streamlit) (2025.1)
Requirement already satisfied: charset-normalizer<4,>=2 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->streamlit) (3.3.0)
Requirement already satisfied: idna<4,>=2.5 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->streamlit) (3.10)
Requirement already satisfied: urllib3<3,>=1.21.1 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->streamlit) (2.32.3)
Requirement already satisfied: certifi>=2017.4.17 in /usr/local/lib/python3.11/dist-packages (from requests<3,>=2.27->streamlit) (2025.11.11)
Requirement already satisfied: markdown-it-py>=2.2.0 in /usr/local/lib/python3.11/dist-packages (from rich<14,>=10.14.0->streamlit) (3.0.0)
Requirement already satisfied: pygments<3.0.0,>=2.13.0 in /usr/local/lib/python3.11/dist-packages (from rich<14,>=10.14.0->streamlit) (2.18.0)
Requirement already satisfied: smmap<6,>=3.0.1 in /usr/local/lib/python3.11/dist-packages (from gitdb<5,>=4.0.1->gitpython!=3.1.19,<4,>=3.0.7->streamlit) (5.0.0)
Requirement already satisfied: MarkupSafe>=2.0 in /usr/local/lib/python3.11/dist-packages (from jinja2->altair<6,>=4.0->streamlit) (3.0.2)
Requirement already satisfied: attrs>=22.2.0 in /usr/local/lib/python3.11/dist-packages (from jsonschema>=3.0->altair<6,>=4.0->streamlit) (25.1.0)
Requirement already satisfied: jsonschema-specifications>=2023.03.6 in /usr/local/lib/python3.11/dist-packages (from jsonschema>=3.0->altair<6,>=4.0->streamlit) (2025.11.11)
Requirement already satisfied: referencing>=0.28.4 in /usr/local/lib/python3.11/dist-packages (from jsonschema>=3.0->altair<6,>=4.0->streamlit) (0.36.0)
Requirement already satisfied: rpds-py>=0.7.1 in /usr/local/lib/python3.11/dist-packages (from jsonschema>=3.0->altair<6,>=4.0->streamlit) (0.20.1)
Requirement already satisfied: mdurl~0.1 in /usr/local/lib/python3.11/dist-packages (from markdown-it-py>=2.2.0->rich<14,>=10.14.0->streamlit) (0.1.2)
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.11/dist-packages (from python-dateutil>=2.8.2->pandas<3,>=1.4.0->streamlit) (1.17.0)
Downloading streamlit-1.42.0-py2.py3-none-any.whl (9.6 MB)
    9.6/9.6 MB 47.6 MB/s eta 0:00:00
Downloading pydeck-0.9.1-py2.py3-none-any.whl (6.9 MB)
    6.9/6.9 MB 69.7 MB/s eta 0:00:00
Downloading watchdog-6.0.0-py3-none-manylinux2014_x86_64.whl (79 kB)
    79.1/79.1 kB 3.5 MB/s eta 0:00:00
Installing collected packages: watchdog, pydeck, streamlit
Successfully installed pydeck-0.9.1 streamlit-1.42.0 watchdog-6.0.0
```

```
from langchain.prompts import ChatPromptTemplate
from langchain_ollama.llms import OllamaLLM
import streamlit as st
```

```
# Set the app title
st.title("Rohit futane AI bot")
```

```
# Define the prompt template
template = """Question: {question}
```

```
Answer: Let's think step by step."""
```

```
# Create the prompt template using the given template
prompt = ChatPromptTemplate.from_template(template)
```

```
# Initialize the model (uncomment the correct model depending on your choice)
# model = OllamaLLM(model="llama3.1")
model = OllamaLLM(model="deepseek-r1")

# Create a chain with the prompt and the model
chain = prompt | model

# Use text_input to capture user question
question = st.text_input("2025 jobs ai prompts fresher")

# If the user has entered a question, format the prompt and invoke the chain
if question:
    try:
        # Format the input question with the template
        formatted_prompt = prompt.format(question=question)

        # Pass the formatted prompt directly to the model
        response = chain.invoke(formatted_prompt)

        # Display the response from the model
        st.write(response)
    except Exception as e:
        st.write(f"Error: {e}")
```

```
2025-02-11 09:38:06.003 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:38:06.007 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:38:06.198 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:38:06.203 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:38:06.205 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:38:06.206 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:38:06.208 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:38:06.209 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
```

Double-click (or enter) to edit

```
from langchain.prompts import ChatPromptTemplate
```

```
from langchain_ollama.llms import OllamaLLM
```

```
import streamlit as st
```

```
#title
st.title("RS_Group.bot")
```

```
2025-02-11 09:21:56.917 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:21:56.920 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
DeltaGenerator()
```

```
# prompt template
template = """Question :{question}
Answer :lets, step by step answer"""
```

```
# Create the prompt template using the given template
prompt = ChatPromptTemplate.from_messages("template")
```

```
# your choice model to call run
model = OllamaLLM(model="deepseek-r1")
#model = ollamaLLM(model="llama3.1")
```

```
# Create a chain with the prompt and the model
chain = prompt | model
```

```
question = st.text_input("2025 jobs data science")
```

```
2025-02-11 09:37:25.957 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:37:25.961 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:37:25.963 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:37:25.964 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:37:25.965 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
2025-02-11 09:37:25.966 Thread 'MainThread': missing ScriptRunContext! This warning can be ignored when running in bare mode.
```

```
if question:
    try:
```

```
formatted_prompt = Prompt.Format(question=question)
response = chain.invoke(formatted_prompt)
st.write(response)
except Exception as e:
    st.write(f"error : {e}")
```

Start coding or [generate](#) with AI.