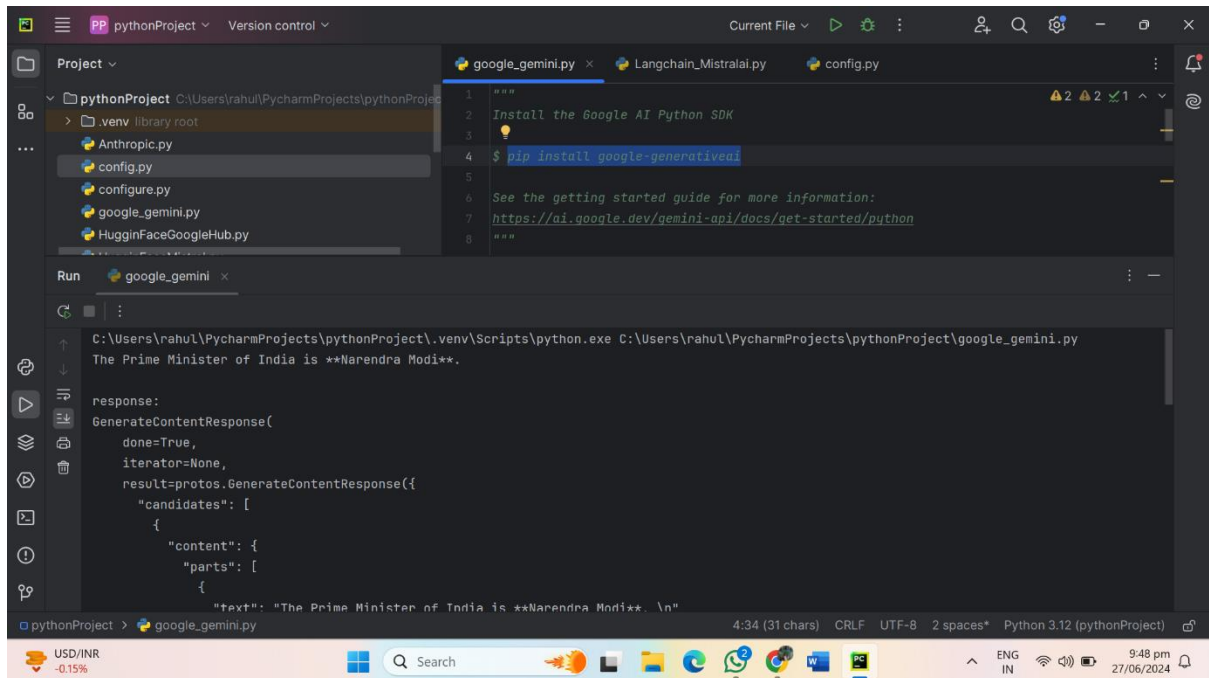


DAY-25



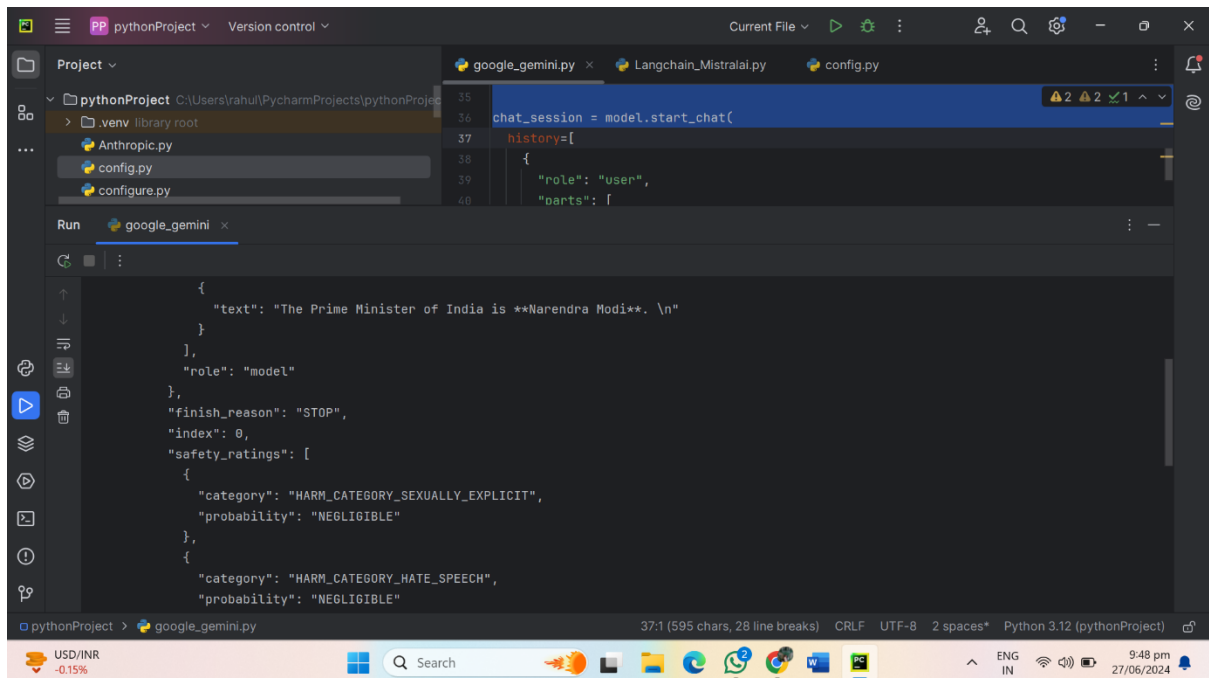
The screenshot shows the PyCharm IDE interface. The top toolbar includes icons for file operations, search, and settings. The left sidebar displays the project structure with folders like 'pythonProject' and 'venv'. The main editor window shows the file 'google_gemini.py' with the following code:

```
1 """
2 Install the Google AI Python SDK
3
4 $ pip install google-generativeai
5
6 See the getting started guide for more information:
7 https://ai.google.dev/gemini-api/docs/get-started/python
8 """
```

The Run window at the bottom shows the command executed: `C:\Users\rahul\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\rahul\PycharmProjects\pythonProject\google_gemini.py`. The output displays the response from the Google AI API:

```
The Prime Minister of India is **Narendra Modi**.
```

The status bar at the bottom indicates the file encoding (UTF-8), line endings (CRLF), and the Python version (3.12).



The screenshot shows the PyCharm IDE interface. The top toolbar includes icons for file operations, search, and settings. The left sidebar displays the project structure with folders like 'pythonProject' and 'venv'. The main editor window shows the file 'google_gemini.py' with the following code:

```
35
36 chat_session = model.start_chat(
37     history=[
38         {
39             "role": "user",
40             "parts": [
```

The Run window at the bottom shows the command executed: `C:\Users\rahul\PycharmProjects\pythonProject\venv\Scripts\python.exe C:\Users\rahul\PycharmProjects\pythonProject\google_gemini.py`. The output displays the response from the Google AI API:

```
{
  "text": "The Prime Minister of India is **Narendra Modi**.",
  "role": "model",
  "finish_reason": "STOP",
  "index": 0,
  "safety_ratings": [
    {
      "category": "HARM_CATEGORY_SEXUALLY_EXPLICIT",
      "probability": "NEGLIGIBLE"
    },
    {
      "category": "HARM_CATEGORY_HATE_SPEECH",
      "probability": "NEGLIGIBLE"
    }
  ]
}
```

The status bar at the bottom indicates the file encoding (UTF-8), line endings (CRLF), and the Python version (3.12).

The screenshot shows the PyCharm IDE with the file `google_gemini.py` open. The code defines a chat session with a history list containing a single message with role "user". The Run window shows the execution output, which includes a JSON response with a category of "HARM_CATEGORY_DANGEROUS_CONTENT" and a probability of "NEGLIGIBLE". The process finished with exit code 0.

```
35 chat_session = model.start_chat(
36
37     history=[
38         {
39             "role": "user",
40             "parts": [
```

```
"category": "HARM_CATEGORY_DANGEROUS_CONTENT",
  "probability": "NEGLIGIBLE"
    ]
  },
  "usage_metadata": {
    "prompt_token_count": 28,
    "candidates_token_count": 12,
    "total_token_count": 40
  }
})
```

Process finished with exit code 0

The screenshot shows the PyCharm IDE with the file `Langchain_Mistralai.py` open. The code imports necessary modules and sets up a Mistral AI client using a configuration file. The Run window shows the execution output, which includes a response from the Mistral AI model stating that Modi is the current Prime Minister of India, as of the knowledge up to 2021.

```
1 import os
2 from langchain_mistralai import ChatMistralAI
3 from mistralai.client import MistralClient
4 from mistralai.models.chat_completion import ChatMessage
5
6 import config
7
8 api_key = config.MISTRAL_API_KEY
9 model = "mistral-large-latest"
10
11 client = ChatMistralAI(api_key=api_key)
12
13 chat_response = client.invoke("Prime Minister of India")
```

```
rahul\PycharmProjects\pythonProject\.venv\Scripts\python.exe C:\Users\rahul\PycharmProjects\pythonProject\Langchain_Mistralai.py
Modi is the current Prime Minister of India, as of my knowledge up to 2021. He has been in office since May 2014. Modi is a member of the Bharat
```

inished with exit code 0

OLLAMA

```
C:\WINDOWS\System32\Win... x + v - o x

Welcome to Ollama!

Run your first model:

ollama run llama3

PS C:\Windows\System32> ollama run llama3
pulling manifest
pulling 6a0746alecla... 10% | 450 MB/4.7 GB
Error: max retries exceeded: Get "https://registry.ollama.ai/v2/library/llama3/blobs/sha256:6a0746aleclaef3e7ec53868f220ff6e389f6f8ef87a01d77c96807de94ca2aa": dial tcp: lookup registry.ollama.ai: no such host
PS C:\Windows\System32> ollama run llama3
pulling manifest
pulling 6a0746alecla... 100% 4.7 GB
pulling 4fa551d4f938... 100% 12 KB
pulling 8ab4849b038c... 100% 254 B
pulling 577073ffcc6c... 100% 110 B
pulling 3f8eb4da87fa... 100% 485 B
verifying sha256 digest
writing manifest
removing any unused layers
success
>>> Send a message (/? for help)
```

```
C:\WINDOWS\System32\Win... x + v - o x

Welcome to Ollama!

Run your first model:

ollama run llama3

PS C:\Windows\System32> ollama run llama3
pulling manifest
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PS C:\Windows\System32> ollama run llama3
pulling manifest
pulling 6a0746alecla... 100% 4.7 GB
pulling 4fa551d4f938... 100% 12 KB
pulling 8ab4849b038c... 100% 254 B
pulling 577073ffcc6c... 100% 110 B
pulling 3f8eb4da87fa... 100% 485 B
verifying sha256 digest
writing manifest
removing any unused layers
success
>>> who is prime minister of india
As of now, the Prime Minister of India is Narendra Damodardas Modi. He has been serving as the 15th and current Prime Minister of India since May 26, 2014.
```