Guru Nanak Dev Engineering College

Training Diary - TR-102 Report

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Day 5

Training Summary

On the fifth day of our training, we focused on improving the functionality and output quality of our ongoing project — the **URL Summarizer**. We also explored **Google AI Studio** in greater depth to understand its application in real-world AI tasks.

Project Enhancement: URL History Logging

We added a new feature to the summarizer that stores the **history of all URLs summarized**. This feature keeps track of:

- The **input URL**
- The **generated summary**
- The **timestamp** of summarization
- Related **internal and external links**
- Extracted **images and metadata**

This log was saved in a **JSON file**, enabling us to revisit past URLs and summaries and analyze their structure or reuse the data later.

Summary Reframing and Formatting

After receiving the raw summary from the GenAI model, we practiced **rephrasing and refining the content** using structured guidelines. The goal was to convert the initial output into well-polished, clearer summaries while maintaining readability and professionalism.

Instructions Followed:

- ✅ Preserved the **bullet-point format** for clarity and organization.
- ✅ **Elaborated** points with meaningful detail without making them overly long.
- ✅ Used **polished and formal language** for a technical tone.
- ✅ Avoided **redundancy** by consolidating similar ideas.
- ✅ Made the revised summary suitable for **professional or academic use**.

This exercise helped us improve the **quality of AI-generated content** and showed the importance of human involvement in finalizing AI outputs.

Exploring Google AI Studio

We explored **Google AI Studio** more thoroughly and understood:

- How to create and test prompts using **Gemini models**
- Its interface for managing different types of outputs like **text, images, and audio**
- Prompt chaining capabilities for building **multi-step tasks**
- Its integration with **Google Cloud APIs**

We also compared Google AI Studio's features with other platforms like OpenAI Playground and Cohere Playground, gaining a broader perspective on prompt engineering tools.

Learning Outcome

We learned the importance of **maintaining historical records** of AI outputs, refining raw summaries for end-user readability, and using advanced tools like **Google AI Studio** for complex, prompt-based tasks. These activities enhanced our understanding of how to bridge AI model outputs with user-ready solutions.