Training Day 3 Report

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Overview

On the third day of our AI-based learning project, we explored **Google AI Studio** and worked with different **Gemini models (2.5 Flash and 2.5 Pro)** to understand their performance in prompt-based summarization tasks. The objective was to gain hands-on experience with LLMs and analyze how different model versions respond to the same prompt.

Activities Performed:

1. **Prompt-Based Interaction:**
    - A summarization prompt was provided to both models with the same input paragraph about LLMs (Large Language Models).
    - The prompt was:
      "Summarize the following paragraph in 2–3 lines, keeping the core meaning intact and using simple language. Do not change the original intent or add extra information."
2. **Model Comparison:**
    - **Gemini 2.5 Flash** provided a faster and more concise output, generating a brief summary of the paragraph.
    - **Gemini 2.5 Pro** took more time but offered a slightly more refined and natural response with similar accuracy.
    - Both models captured the core idea: LLMs can perform various tasks using human-like language understanding, but they also have limitations such as biases and the potential to produce incorrect information.

Screenshots (Model Output Examples):

1. Gemini 2.5 Flash Output click (Screenshot2.5Flash)

2. Gemini 2.5 Pro Output click (Screenshot2.5Pro)

Learnings & Observations:

- **Speed vs Quality:** The Flash model is optimized for speed, while the Pro model provides slightly deeper reasoning and fluency in responses.
- **Output Consistency:** Both models accurately retained the original meaning, though wording and tone varied slightly.
- **Interface Familiarization:** Gained hands-on experience with the AI Studio's UI, prompt structure, and adjustable run settings like temperature and thinking mode.

Conclusion:

This session helped in understanding the behavior and capabilities of different LLM variants in practical summarization tasks. It provided a strong foundation for prompt engineering and will assist in building more complex AI-driven applications in future sessions.