**Conclusion and Insights**

In this project, we successfully implemented and analyzed a multi-agent system powered by Google's **Gemini LLM**. We demonstrated its exceptional capabilities in diverse NLP tasks, from **creative writing** to precise **data retrieval** and **sentiment analysis**. A key insight gained from this project is that the true power of LLMs lies not in their isolated performance but in their integration with other tools and systems. The **RAG-enabled agent** proved to be significantly more reliable and accurate, showcasing a clear path toward building more robust and dependable AI applications.

**Broader Implications & Future Work**

The architecture developed in this project has wide-ranging applications. It could serve as the foundation for a next-generation customer service chatbot, an automated research assistant, or a personalized educational tool. To further improve this system, we could add more specialized tools (e.g., a code interpreter) or implement a long-term memory system to handle more complex, multi-turn conversations. Ultimately, this project highlights the shift in AI development from building standalone models to designing intelligent, multi-faceted agents capable of navigating and interacting with the world.