

This is the chat link : <https://chatgpt.com/share/68c9d103-09c0-8013-99c3-50d60fbdaa76>

Below are the prompts used by me in this project

1.Design a scalable multi-agent architecture where a planner, researcher, and executor agent collaborate to automate a study plan generation pipeline. The agents should communicate asynchronously and handle context passing efficiently.

2.i actually want to make StudyBuddy — an AI Study Planner & Executor for students.

3.How can I integrate RAG with FAISS indexing for retrieving relevant documents efficiently in a FastAPI-based system?"

4.Generate FastAPI endpoints for creating, retrieving, and executing study plans. Include error handling, logging, and OpenAPI documentation

5.Write Python code for an executor agent that creates study guides, flashcards, and quizzes dynamically using a Gemini LLM API.

6.Optimize API response times for bulk execution of study steps and include live status tracking.

7.Write a prompt template that guides the LLM to generate step-by-step study plans based on a user's learning goal, ensuring each step has a tool assigned (RAG, Flashcards, Quiz, etc.).

8.How do I implement a fallback mechanism if Gemini API rate limits are hit, so the system retries with exponential backoff?

9.After a user clicks 'Execute Step,' automatically show the result on the same page without requiring a separate 'View Result' click

10.Add a button that allows users to download their study plan as a professional-looking PDF using ReportLab

11.Add debug logs for each stage of the multi-agent workflow for easier troubleshooting during a hackathon demo.

12.How do I build a Streamlit UI that shows plan steps, executes them, and displays results dynamically?

13.What final touches can make my project hackathon-ready?

14.yes required