Project Design Phase
Solution Architecture
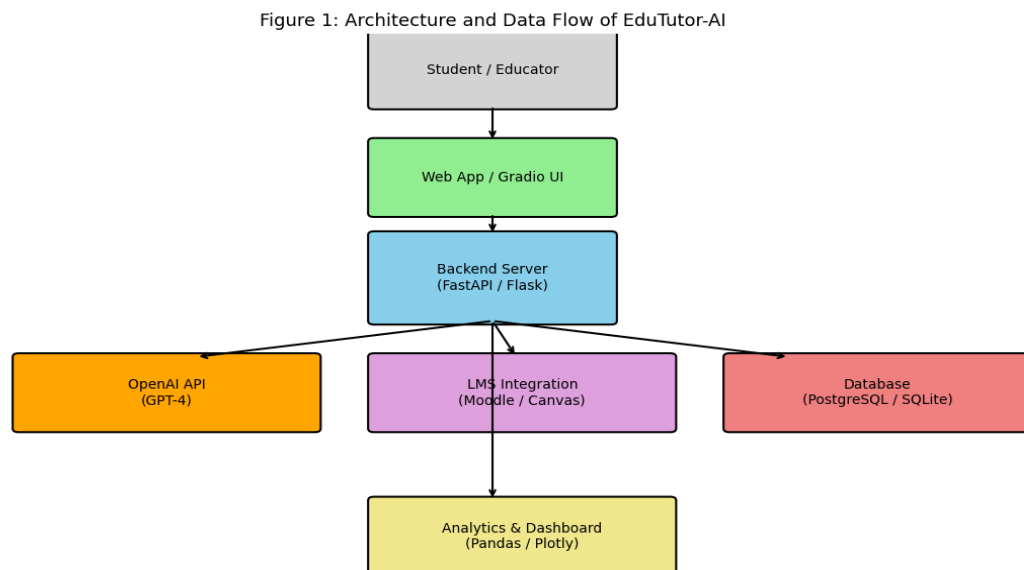
Date	15 February 2025
Team ID	LTVIP2025TMID52721
Project Name	EduTutor-AI- Personalized-Learning-with-Generative- AI-and-LMS-Integration
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a strategic approach that aligns business objectives with technical implementation. For EduTutor-AI, the architecture is designed to:

- Identify the optimal technology stack to personalize education using generative AI.

- Present the structure and behavior of the solution to technical and non-technical stakeholders.

- Define functional modules, development phases, and integration points with LMS platforms.

- Provide specifications for scalable, secure, and efficient system delivery.

Example - Solution Architecture Diagram:

Figure 1: Architecture and Data Flow of EduTutor-AI
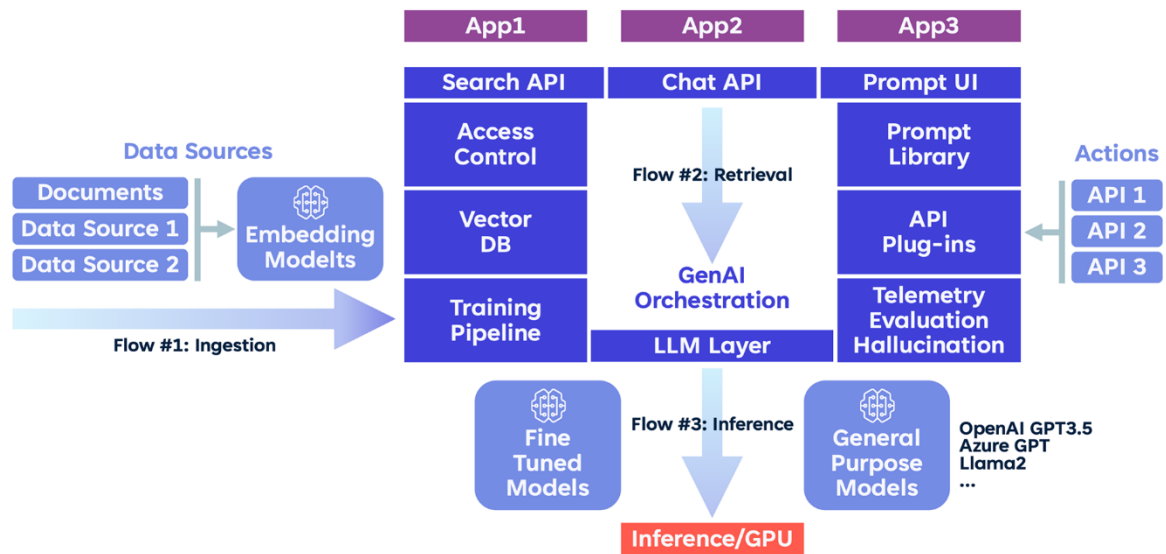
Example:2

Figure 1:

Reference: https://edu tutor ai..com/blogs/industries/voice-applications-in EduTutor-AI-Personalized-Learning-with-Generative- AI-and-LMS-Integration-clinical-research-powered-by-ai-on-aws-part-1-architecture-and-design-considerations/