Project Design Phase
Solution Architecture

Date	28 June 2025
Team ID	LTVIP2025TMID30982
Project Name	Sustainable Smart City Assistant Using IBM Granite LLM
Maximum Marks	4 Marks

Solution Architecture:

- Solution architecture is a structured process that connects urban development goals with modern AI technologies. It aims to:

- Identify the best technological solution to solve urban sustainability challenges.
- Define the structure, features, modules, and behavior of the smart city software system.
- Communicate architectural decisions and system behavior to all project stakeholders.
- Deliver a roadmap for feature development, system integration, and deployment.
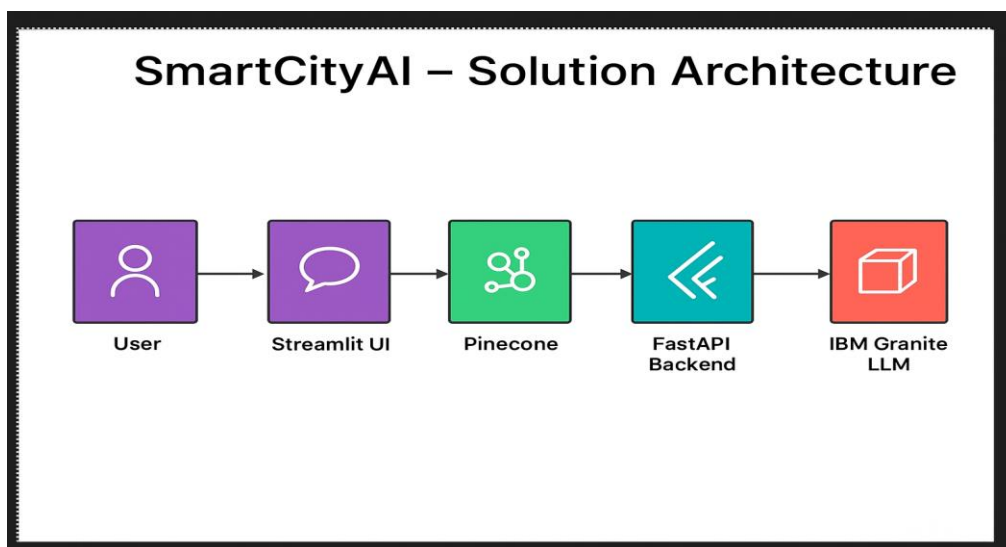
Example - Solution Architecture Diagram:

Figure 1: Architecture of the SmartCityAI – Sustainable Smart City Assistant Using IBM Granite LLM

Reference: https://aws.amazon.com/blogs/industries/using-ai-to-transform-urban-management-and-sustainability-in-smart-cities/