Project Design Phase
Solution Architecture

Date	15 February 2025
Team ID	LTVIP2026TMIDS78841
Project Name	Flavour Fusion: AI-Driven Recipe Blogging
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture bridges the gap between business requirements and technical implementation. It defines how system components interact to deliver the desired functionality. Its goals are to:

- Generate AI-powered customized recipe blogs.

- Allow users to specify topic and word count.

- Integrate Google's Gemini 1.5 Flash model for content generation.

- Provide an interactive and engaging user experience using Streamlit.

- Deploy a scalable web-based solution.

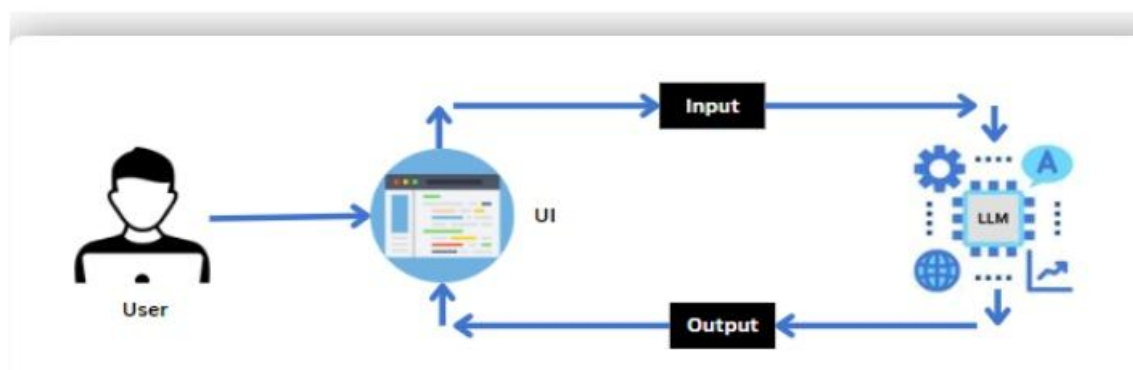## Example - Solution Architecture Diagram:

Figure 1: Architecture and data flow of the voice patient diary sample application

Reference: https://aws.amazon.com/blogs/industries/voice-applications-in-clinical-research-powered-by-ai-on-aws-part-1-architecture-and-design-considerations/