

## Project Design Phase

### Solution Architecture

Date	24 February 2026
Team ID	LTVIP2026TMIDS41751
Project Name	Flavour Fusion: AI-Driven Recipe Blogging
Maximum Marks	4 Marks

### Solution Architecture:

The solution architecture of Flavour Fusion consists of a Streamlit-based web application that collects user inputs and validates them. The application constructs a structured prompt and sends it to the Gemini Flash Lite generative AI model through an API call. The AI model generates a structured recipe blog, which is then formatted and displayed to the user. The system can be deployed locally or on a cloud platform such as Streamlit Cloud.

### Example - Solution Architecture Diagram:

