

## Project Design Phase

### Solution Architecture

|               |   |
|---------------|---|
| Date          | 13 February 2026                          |
| Team ID       | LTVIP2026TMIDS66233                       |
| 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:

