**Project Design Phase**

**Solution Architecture**

|  |  |
| --- | --- |
| Date | 13 February 2026 |
| Team ID | LTVIP2026TMIDS66271 |
| 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:**

