# Project Design Phase
## Solution Architecture

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| 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: