

**Project Design
Phase-I Solution
Architecture**

Date	14 OCTOBER 2022
Team ID	PNT2022TMID37845
Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts
Maximum Marks	4 Marks

Solution Architecture:

Solution architecture is a complex process – with many sub-processes – that bridges the gap between business problems and technology solutions. Its goals are to:

- Find the best tech solution to solve existing business problems.
- Describe the structure, characteristics, behavior, and other aspects of the software to project stakeholders.
- Define features, development phases, and solution requirements.
- Provide specifications according to which the solution is defined, managed, and delivered.
- For extravagant understanding of user goals and backend general process diagrammatically pictured for enhanced learning of the problem.
- A solution architect has to understand how all parts of the business model work together including processes, operating systems, and application architectures.

Example - Solution Architecture Diagram:

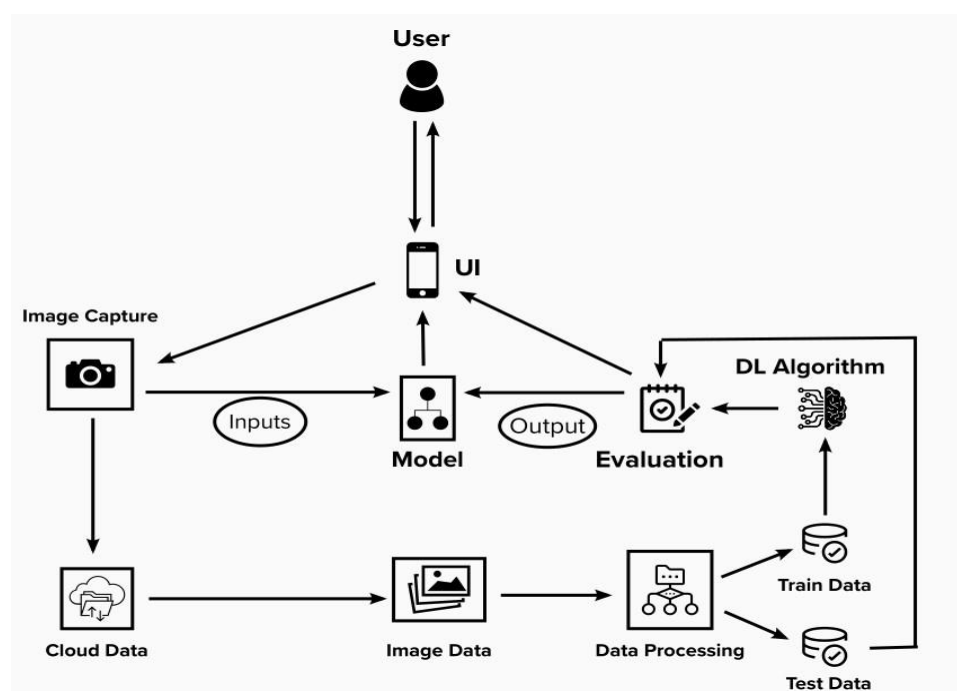


Figure 1: Architecture and data flow of the image data for an AI based food recognition system

