Project Design Phase-II
Technical Architecture

Date	03 November 2022
Team ID	PNT2022TMID43812
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts

Technical Architecture:
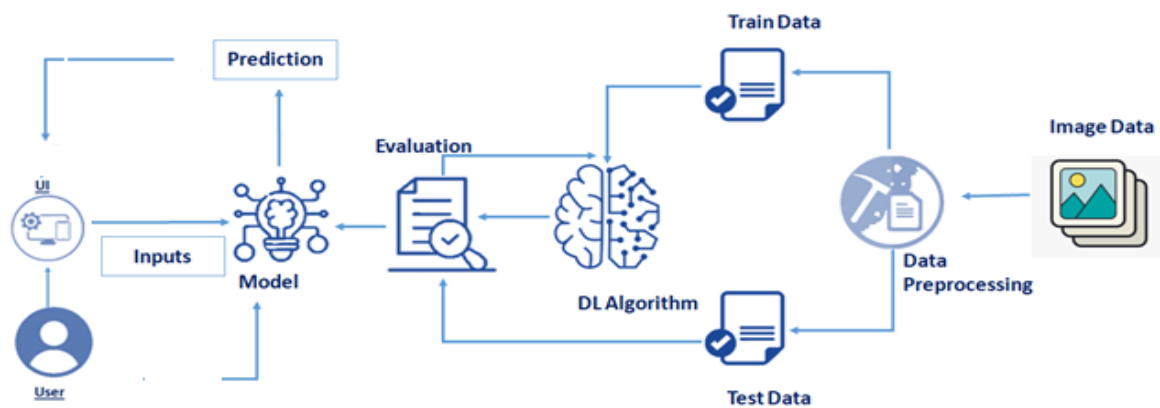
Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web UI	HTML, CSS, JavaScript
2.	Database	Data Type, Configurations and data will be stored.	MySQL, Js etc.
3.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
4.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
5.	Machine Learning Model	Purpose of Machine Learning Model	ANN, CNN, RNN

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask	Technology of Opensource framework
2.	Security Implementations	Data protection	Authorized APIs Only
3.	Scalable Architecture	Micro-services	Micro web application by Flask
4.	Availability	Distributed servers	Android
5.	Performance	High Flexibility, Quick accessibility	framework