Project Flow

Date	10 November 2022
Team ID	PNT2022TMID04947
Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts

Project Flow

1.Data Collection
- ❖ Download The Dataset

2.Data Preprocessing.
- ❖ Import The ImageDataGenerator Library
- ❖ Configure ImageDataGenerator Class
- ❖ Apply Image DataGenerator Functionality To Trainset And Testset

3.Model Building
- ❖ Import The Model Building Libraries
- ❖ Initializing The model
- ❖ Adding CNN Layers
- ❖ Adding Dense Layers
- ❖ Configure The Learning Process
- ❖ Train The Model
- ❖ Save The Model
- ❖ Test The Model

4.Application Building
- ❖ Create HTML Pages
- ❖ Build Python Code
- ❖ Routing To The HTML Page
- ❖ Run The Application
- ❖ Creating Our Flask Application and Loading Our Model By Using Load_model Method