

Project Flow

Team ID	PNT2022TMID01162
Project Name	AI-powered Nutrition Analyzer for Fitness Enthusiasts

- The user interacts with the UI (User Interface) and give the image as input.
- Then the input image is then pass to our flask application,
- And finally with the help of the model which we build we will classifythe result and showcase it on the UI.

To accomplish this, we have to complete all the activities and tasks listed below

Data Collection.

Collect the dataset or Create the dataset

Data Preprocessing.

Import the ImageDataGenerator library

Configure ImageDataGenerator class

ApplyImageDataGenerator functionality to Trainset and Testset

Model Building

Import the model building Libraries

Initializing the model

Adding Input Layer

Adding Hidden Layer

Adding Output Layer

Configure the Learning Process

Training and testing the model

Save the Model

Application Building

Create an HTML file

Build Python Code