

## PROJECT FLOW

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TEAM ID	PNT2022TMID03415
PROJECT NAME	AI-Powered Nutrition Analyzer for Fitness Enthusiasts

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- 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 classify the 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 Pre-processing.**

- Import the Image Data Generator library
- Configure Image Data Generator class
- Apply Image Data Generator functionality to Trainset and Test set

➤ **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