

# Project Flow

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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 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 Preprocessing.
- 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