

## Project Flow

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Team ID	PNT2022TMID04947
Project Name	AI-Powered Nutrition Analyzer For Fitness Enthusiasts

### **Project Flow**

Data Collection.

- ❖ Collect the dataset or Create the dataset

Data Preprocessing.

- ❖ Import the ImageDataGenerator library
- ❖ Configure ImageDataGenerator class
- ❖ ApplyImageDataGenerator functionality to Train Set and Test Set

Model Building

- ❖ Import the model building Libraries
- ❖ Initializing the model
- ❖ Adding CNN Layer
- ❖ Adding DenseLayer
- ❖ Configure The Learning Process
- ❖ Train The Model
- ❖ Save The Model
- ❖ Test The Model

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

