Project Flow

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Project Name	Project - AI-powered Nutrition Analyzer for Fitness Enthusiasts

1.The user interacts with UI (User interface) and give the image as input

2.Then the input image is pass to our flask application

3.And finally with help of the model which we build will classify the result and show on it on the UI.

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

5.Data collection

6.collect the dataset or create the dataset.

7.Data Processing

8.Import the ImageDataGenerator file.

9.Configure ImageDataGenerator class.

10.Apply ImageDataGenerator functionality to Trainset and Testset.

11.Model Building

12.Import the model building Libraries.

13.Initializing the model

14.Adding input Layer

15.Adding Hidden Layer

16.Adding Output Layer

17.Configure the Learning Process.

18.Training and testing the model.

19.Save the model

20.Application Building

21.Create an HTML file

22.Build Python code