

Application Building

Run the Application

Title	AI powered nutrition analyzer for fitness enthusiasts
College Name	AVS College of Technology
Team Id	PNT2022TMID42147

Run the Application :

- Open the anaconda prompt from the start menu.
- Navigate to the folder where your app.py resides.
- Now type the “python app.py” command.
- It will show the local host where your app is running on <http://127.0.0.1:5000/>
- Copy that localhost URL and open that URL in the browser. It does navigate to where you can view your web page.

Enter the values, click on the predict button and see the result/prediction on the web page.

```
(base) C:\Users\DELL>cd C:\Users\DELL\Desktop\Desk Files\Nutrition Analysis Using Image Classification\Flask
(base) C:\Users\DELL\Desktop\Desk Files\Nutrition Analysis Using Image Classification\Flask>python app.py
```

Then it will run on localhost:5000

```
* Serving Flask app "app" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```

Navigate to the localhost (<http://127.0.0.1:5000/>) where you can view your web page.

Click on classify button to see the results.

Output screenshots:

HomePage:



Images Prediction pages:

Nutrition Image Analysis

HomeClassify

Upload image to classify

Choose...



Food Classified is:
APPLES

```
[{'sugar_g': 10.3, 'fiber_g': 2.4, 'serving_size_g': 100.0, 'sodium_mg': 1, 'name': 'apples', 'potassium_mg': 11, 'fat_saturated_g': 0.0, 'fat_total_g': 0.2, 'calories': 53.4, 'cholesterol_mg': 0, 'protein_g': 0.3, 'carbohydrates_total_g': 13.8}]
```

Active
Go to

Nutrition Image Analysis

HomeClassify

Upload image to classify

Choose...



Food Classified is:
PINEAPPLE

```
[{'sugar_g': 9.9, 'fiber_g': 1.4, 'serving_size_g': 100.0, 'sodium_mg': 0, 'name': 'pineapple', 'potassium_mg': 8, 'fat_saturated_g': 0.0, 'fat_total_g': 0.1, 'calories': 50.8, 'cholesterol_mg': 0, 'protein_g': 0.5, 'carbohydrates_total_g': 13.0}]
```

Active
Go to

Upload image to classify

Choose...



Food Classified is:

BANANA

[{'sugar_g': 12.3, 'fiber_g': 2.6, 'serving_size_g': 100.0, 'sodium_mg': 1, 'name': 'banana', 'potassium_mg': 22, 'fat_saturated_g': 0.1, 'fat_total_g': 0.3, 'calories': 89.4, 'cholesterol_mg': 0, 'protein_g': 1.1, 'carbohydrates_total_g': 23.2}]

Activate Windows
Go to Settings to activate Windows.