

## APPLICATION BUILDING

### PROJECT TITLE: AI-powered Nutrition Analyzer for Fitness Enthusiasts

Team id: PNT2022TMID21516

#### 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.

```
C:\Users\sujatha.k>cd Downloads\Srivishali application Building  
C:\Users\sujatha.k\Downloads\Srivishali application Building>python app.py
```

Then it will run on localhost:5000

```
2022-11-18 17:39:19.926104: I tensorflow/core/platform/cpu...  
h oneAPI Deep Neural Network Library (oneDNN) to use the  
AVX AVX2  
To enable them in other operations, rebuild TensorFlow wi...  
Loaded model from disk  
* Serving Flask app 'app'  
* Debug mode: off  
WARNING: This is a development server. Do not use it in a...  
* Running on http://127.0.0.1:5000
```

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:

Nutrion Image Analysis

HomeClassify



Food is essential for human life and has been the concern of many healthcare conventions. Nowadays new dietary assessment and nutrition analysis tools enable more opportunities to help people understand their daily eating habits, exploring nutrition patterns and maintain a healthy diet. Nutritional analysis is the process of determining the nutritional content of food. It is a vital part of analytical chemistry that provides information about the chemical composition, processing, quality control and contamination of food. It ensures compliance with trade and food laws.

Team details

Team Leader: Malathy G (917719IT053)  
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Team Member2: Srivishali K (917719IT104)  
Team Member3: Sujatha K (917719IT106)

Upload image to classify

Choose...



Food Classified is:

WATERMELON

```
[{'sugar_g': 6.2, 'fiber_g': 0.4, 'serving_size_g': 100.0, 'sodium_mg': 0, 'name':  
'watermelon', 'potassium_mg': 10, 'fat_saturated_g': 0.0, 'fat_total_g': 0.1,  
'calories': 30.3, 'cholesterol_mg': 0, 'protein_g': 0.6, 'carbohydrates_total_g': 7.4}]
```

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}]
```

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}]
```

Upload image to classify

Choose...



Food Classified is:

APPLE

[{'sugar\_g': 10.3, 'fiber\_g': 2.4, 'serving\_size\_g': 100.0, 'sodium\_mg': 1, 'name': 'apple', 'potassium\_mg': 11, 'fat\_saturated\_g': 0.0, 'fat\_total\_g': 0.2, 'calories': 53.0, 'cholesterol\_mg': 0, 'protein\_g': 0.3, 'carbohydrates\_total\_g': 14.1}]