APPLICATION BUILDING

PROJECT TITLE: AI-powered Nutrition Analyzer for Fitness Enthusiasts

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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
```

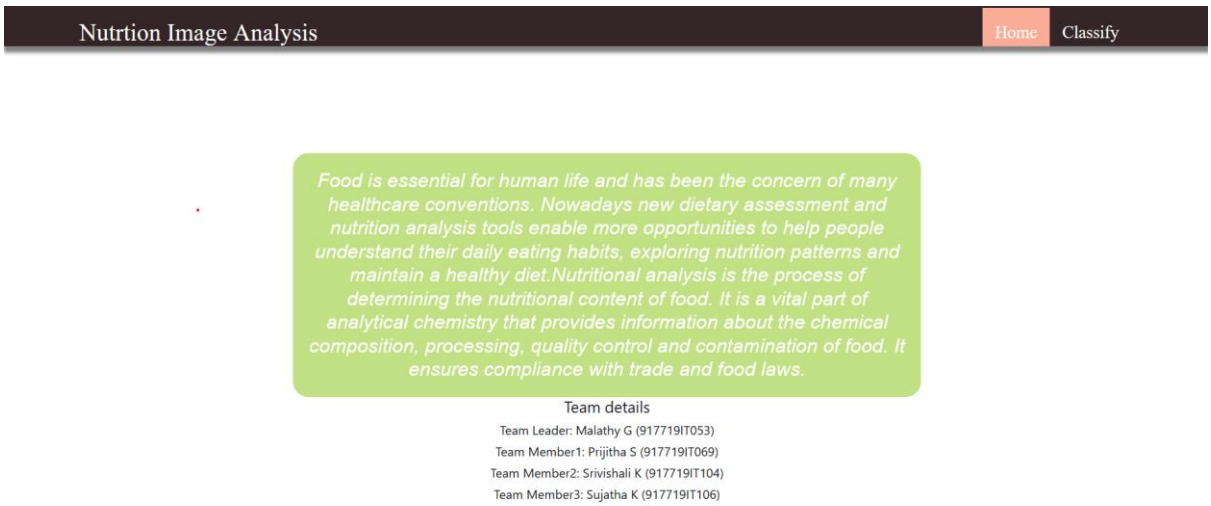
Then it will run on localhost:5000

```
2022-11-18 17:39:19.926104: I tensorflow/core/platform/cp
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:



Nutrtion Image Analysis

Home Classify

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}]

Nutrtion Image Analysis

Home Classify

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}]

Nutrtion Image Analysis

Home Classify

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}]

Nutrtion Image Analysis

Home Classify

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}]