

Run The Application

TOPIC : AI powered nutrition analyzer for fitness enthusiast

Team id : PNT2022TMID15800

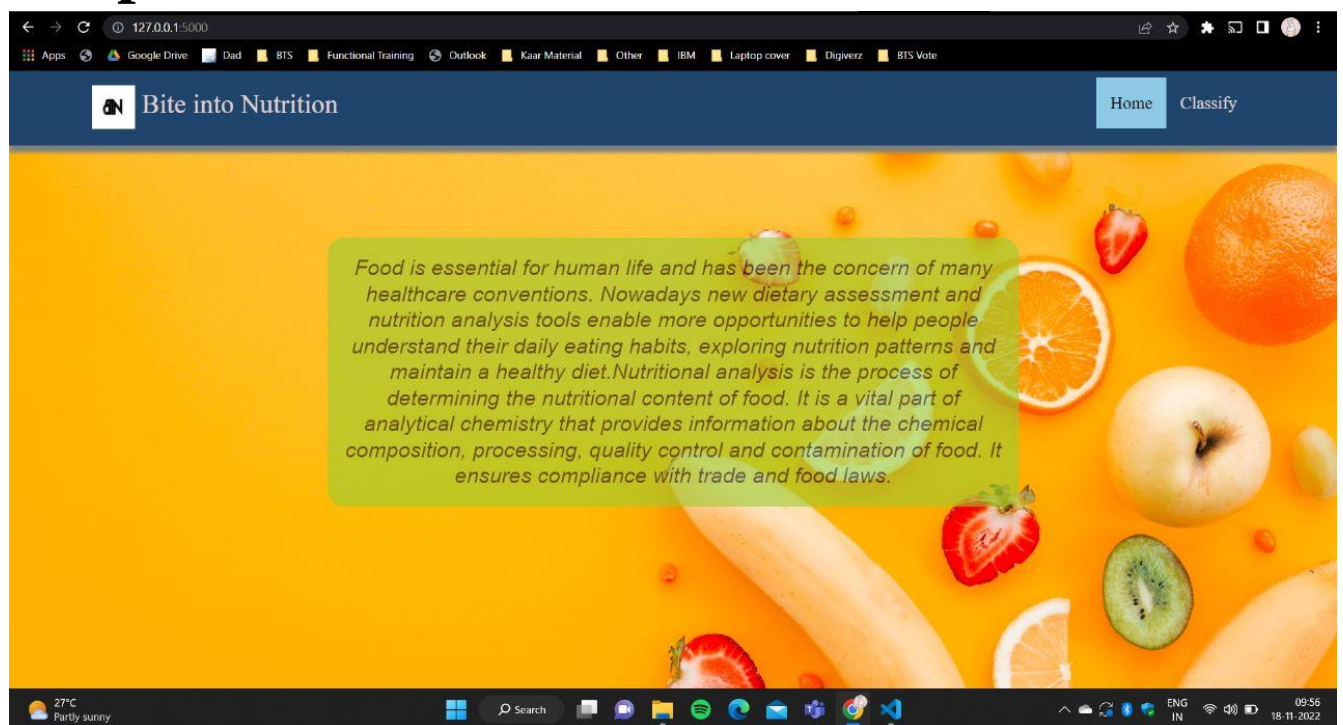
- In Visual Studio open the integrated terminal.
- Now type the “python app.py” command.
- It will show the local host where your app is running on <http://127.0.0.1:5000/>
- Ctr+Click the URL. It does navigate to where you can view your web page.
- Enter the values, click on the predict button and see the result/prediction on the web page.
- Then it will run on localhost:5000

```
PS D:\IBM Proj\Nutrition Analyzer> python app.py
2022-11-18 09:30:57.921283: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'cudart64_110.dll'; dlderror: cudart64_110.dll not found
2022-11-18 09:30:57.922769: I tensorflow/stream_executor/cuda/cudart_stub.cc:29] Ignore above cudart dlerror if you do not have a GPU set up on your machine.
2022-11-18 09:31:01.134670: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'nvcuda.dll'; dlderror: nvcuda.dll not found
2022-11-18 09:31:01.135439: W tensorflow/stream_executor/cuda/cuda_driver.cc:326] failed call to cuInit: UNKNOWN ERROR (303)
2022-11-18 09:31:01.142146: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:169] retrieving CUDA diagnostic information for host: Ishwarya
2022-11-18 09:31:01.143014: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:176] hostname: Ishwarya
2022-11-18 09:31:01.144128: I tensorflow/core/platform/cpu_feature_guard.cc:142] This TensorFlow binary is optimized with oneAPI Deep Neural Network Library (oneDNN) to use the following CPU instructions in performance-critical operations: AVX AVX2
To enable them in other operations, rebuild TensorFlow with the appropriate compiler flags.
Loaded model from disk
* Serving Flask app 'app'
* Debug mode: off
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
* Running on http://127.0.0.1:5000
Press CTRL+C to quit
127.0.0.1 - - [18/Nov/2022 09:31:06] "GET / HTTP/1.1" 200 -
```

```
* 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 the classify button to see the result

Output screenshots:




← → 127.0.0.1:5000/image1

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 Bite into Nutrition Home **Classify**

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)]

27°C Partly sunny Search 09:59 18-11-2022


← → 127.0.0.1:5000/image1

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 Bite into Nutrition Home **Classify**

Upload image to classify

Choose...



Food Classified is:
[ORANGE](#)

[('sugar_g': 8.4, 'fiber_g': 2.2, 'serving_size_g': 100.0, 'sodium_mg': 1, 'name': 'orange', 'potassium_mg': 23, 'fat_saturated_g': 0.0, 'fat_total_g': 0.1, 'calories': 50.4, 'cholesterol_mg': 0, 'protein_g': 0.9, 'carbohydrates_total_g': 12.4)]

27°C Partly sunny Search 10:00 18-11-2022


127.0.0.1:5000/image1

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Bite into Nutrition 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}]
```

27°C Partly sunny 10:00 18-11-2022


127.0.0.1:5000/image1

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Bite into Nutrition 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}]
```

27°C Partly sunny 09:59 18-11-2022

