

EXPLORER

main.py 5 x

✓ OPEN EDITORS 1 UNSAVED

banana.py C:\Open-CV-Ban... 1

- base.html templates

- home.html templates

➡ image.html templates

imageprediction.html templates

III Nutrition-Analysis.h5

inst.txt

- 0.html templates

▼ FRUITPROJECT

 sam.jpg


✓ veniv

> Include

> Lib

Scripts

 activate

 activate.bat

```
> Activate.ps1
```

deactivate.bat

pip.exe

```
pip3.9.exe
```

```
== pip3.exe
```

python.exe

```
pythonv.exe
```


inst.txt

main.py > ...

```

1 from flask import Flask, render_template, request
2 import os
3 import numpy as np
4 from tensorflow.keras.models import load_model
5 from tensorflow.keras.preprocessing import image
6 import requests
7
8 app=Flask(__name__, template_folder="templates")
9 model=load_model('Nutrition-Analysis.h5')
10 print("Loaded model from disk")
11
12
13 @app.route('/home')
14 def home():
15     return render_template("home.html")
16
17 @app.route('/image1', methods=['GET', 'POST'])
18 def image1():
19     return render_template("image.html")
20
21 @app.route('/predict', methods=['GET', 'POST'])
22 def predict():
23     if request.method=='POST':
24         f=request.files['file']
25         basepath=os.path.dirname('__file__')
26         filepath=os.path.join(basepath, 'static', f.filename)
27         f.save(filepath)
28
29
30     img=image.load_img(filepath, target_size=(64,64))

```

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main.py - fruitproject - Visual Studio Code

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FRUITPROJECT

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- venv
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 - pip.exe
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 - pythonw.exe
 - pyvenv.cfg
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 - main.py
 - OUTLINE

main.py > ...

```
38
39     result=str(index[pred[0]])
40     x=result
41     result=nutrition(result)
42
43     return render_template("0.html",showcase=(result),showcase1=(f.filename))
44
45
46 def nutrition(index):
47
48     url="https://calorieninjas.p.rapidapi.com/v1/nutrition"
49     querystring={"query":index}
50
51     headers={
52         "X-RapidAPI-Key": "228bc54e2bmsh125425366cedcdp11af24jsn5f87cef4e48e",
53         "X-RapidAPI-Host": "calorieninjas.p.rapidapi.com"
54     }
55
56     response=requests.request("GET",url,headers=headers,params=querystring)
57     print(response.json())
58     return response.json()['items']
59
60
61
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69
70
```

Python 3.9.7 64-bit (venv: venv) 0 6

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