

File Edit Selection View Go Run Terminal Help main.py - fruitproject - Visual Studio Code

EXPLORER

main.py 5 X banana.py 1 base.html home.html image.html imageprediction.html Nutrition-Analysis.h5

OPEN EDITORS 1 UNSAVED

main.py

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

base.html templates

home.html templates

image.html templates

imageprediction.html templates

Nutrition-Analysis.h5

inst.txt

0.html templates

FRUITPROJECT

sam.jpg

venv

Include

Lib

Scripts

activate

activate.bat

Activate.ps1

deactivate.bat

pip.exe

pip3.9.exe

pip3.exe

python.exe

pythonw.exe

pyvenv.cfg

inst.txt

```
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         img=image.load_img(filepath,target_size=(64,64))
```

File Edit Selection View Go Run Terminal Help main.py - fruitproject - Visual Studio Code

EXPLORER

main.py 5 X banana.py 1 base.html home.html image.html imageprediction.html Nutrition-Analysis.h5

OPEN EDITORS 1 UNSAVED

main.py

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

base.html templates

home.html templates

image.html templates

imageprediction.html templates

Nutrition-Analysis.h5

inst.txt

0.html templates

FRUITPROJECT

sam.jpg

venv

Include

Lib

Scripts

activate

activate.bat

Activate.ps1

deactivate.bat

pip.exe

pip3.9.exe

pip3.exe

python.exe

pythonw.exe

pyvenv.cfg

inst.txt

main.py 5

OUTLINE

```
38
39
40 result=str(index[pred[0]])
41 x=result
42 result=nutrition(result)
43
44 return render_template("0.html",showcase=(result),showcase1=(f.filename))
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": "228bc54e2bmsh125425366c0edcdp11af24jsn5f87cef4e48e",
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
62
63
64
65
66
67
68
69
70
```

Python 3.9.7 64-bit (venv: venv) 0 6 Ln 59, Col 1 Spaces: 4 UTF-8 LF Python ENG 12:40 PM 17-Nov-22