

```

# -*-
coding:
utf-8 -
*_

"""app
Automatically generated by Colaboratory.
Original file is located at
    https://colab.research.google.com/drive/1JdRaHm60Vdar01eIsDf9nM9HI3m6cbwP
"""

from google.colab import drive
drive.mount('/content/drive')
from flask import Flask,render_template,request
import os
import numpy as np
from tensorflow.keras.models import load_model
from tensorflow.keras.preprocessing import image
import requests
app = Flask(__name__, template_folder="templates")
model=load_model('/content/drive/MyDrive/Nutrition Image Analysis using CNN and
Rapid API-20221106T044103Z-001/Nutrition Image Analysis using CNN and Rapid
API/Dataset/nutrition.h5')
print("Loaded model from disk")
@app.route('/')
def home():
    return render_template('home.html')
@app.route('/image1', methods=['GET','POST'])
def image1():
    return render_template("image.html")
@app.route('/predict',methods=['GET','POST'])
def launch():
    if request.method=='POST':
        f=request.files['file']
        basepath=os.path.dirname('__file__')
        filepath=os.path.join(basepath,"uploads",f.filename)
        f.save(filepath)
        img=image.load_img(filepath,target_size=(64,64))
        x=image.img_to_array(img)
        x=np.expand_dims(x,axis=0)
        pred=np.argmax(model.predict(x), axis=1)
        print("prediction",pred)
        index=['APPLES', 'BANANA', 'ORANGE', 'PINEAPPLE', 'WATERMELON']
        result=str(index[pred[0]])
        x=result

```

```
    print(x)
    result=nutrition(result)
    print(result)
    return render_template("0.html",showcase=(result),showcase1=(x))
def nutrition(index):
    url ="https://calorieninjas.p.rapidapi.com/v1/nutrition"
    querystring = {"query":index}
    headers={
        'x-rapidapi-key':"5d797ab107mshe668f26bdo44e64p1ffd34jsnf47bfa9a8ee4",
        'x-rapidapi-host':"calorieninjas.p.rapidapi.com"
    }
    response = requests.request("GET", url, headers=headers, params=querystring)
    print(response.text)
    return response.json()['items']
if __name__ == "__main__":
    app.run(debug=False)
```