

EXPLORER

NUTRITION_ANALYSER

- > __pycache__
- > env
- > images
- > static
- > templates
- > test
- > train
- app.py
- Dataset.zip
- Fruits_Nutrition.h5
- fruits.h5
- nutrition.h5
- upload_images.zip

app.py > ...

```

1 from flask import Flask, render_template, url_for, request
2 import numpy as np
3 import os
4 import tensorflow as tf
5 from keras.models import load_model
6 from keras.preprocessing import image
7 from keras.utils import load_img, img_to_array
8 import requests
9 from bs4 import BeautifulSoup
10
11 print(tf.__version__)
12
13 APP_ROOT = os.path.dirname(os.path.abspath(__file__))
14
15 model = load_model('Fruits_Nutrition.h5')
16
17 class_name = {0: 'apple', 1: 'banana', 2: 'beetroot', 3: 'bell pepper', 4: 'cabbage', 5: 'capsicum', 6: 'carrot', 7:
18               19: 'mango', 20: 'onion', 21: 'orange', 22: 'paprika', 23: 'pear', 24: 'peas', 25: 'pineapple', 26: 'pomegra
19
20
21 app = Flask(__name__)
22
23 def fetch_calories(prediction):

```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL JUPYTER

```

2022-11-18 15:27:56.261618: W tensorflow/stream_executor/platform/default/dso_loader.cc:64] Could not load dynamic library 'nvcuda.dll'; dlopen: nvcuda.dll not found
2022-11-18 15:27:56.263309: W tensorflow/stream_executor/cuda/cuda_driver.cc:263] failed call to cuInit: UNKNOWN ERROR (303)
2022-11-18 15:27:56.279053: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:169] retrieving CUDA diagnostic information for host: DESKTOP-9FOFBRL
2022-11-18 15:27:56.280522: I tensorflow/stream_executor/cuda/cuda_diagnostics.cc:176] hostname: DESKTOP-9FOFBRL
2022-11-18 15:27:56.283037: I tensorflow/core/platform/cpu_feature_guard.cc:193] 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.
* 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

```

Nutrition Analyser

Upload the Image!!

Choose File Image_1.jpg

Submit



apple

A medium Apple with a diameter of about 3 inches is equal to 1.5 cups of fruit and offers the following nutrients:-Calories – 95.Fiber – 4grams.Carbohydrates – 25grams.Protein – 0.3 grams.Sugar – 10.4 grams.Fat – 0.2 grams.Vitamin C – 14 percent of the RDI (Reference Daily Intake)Vitamin K – 5 percent of the RDI.

