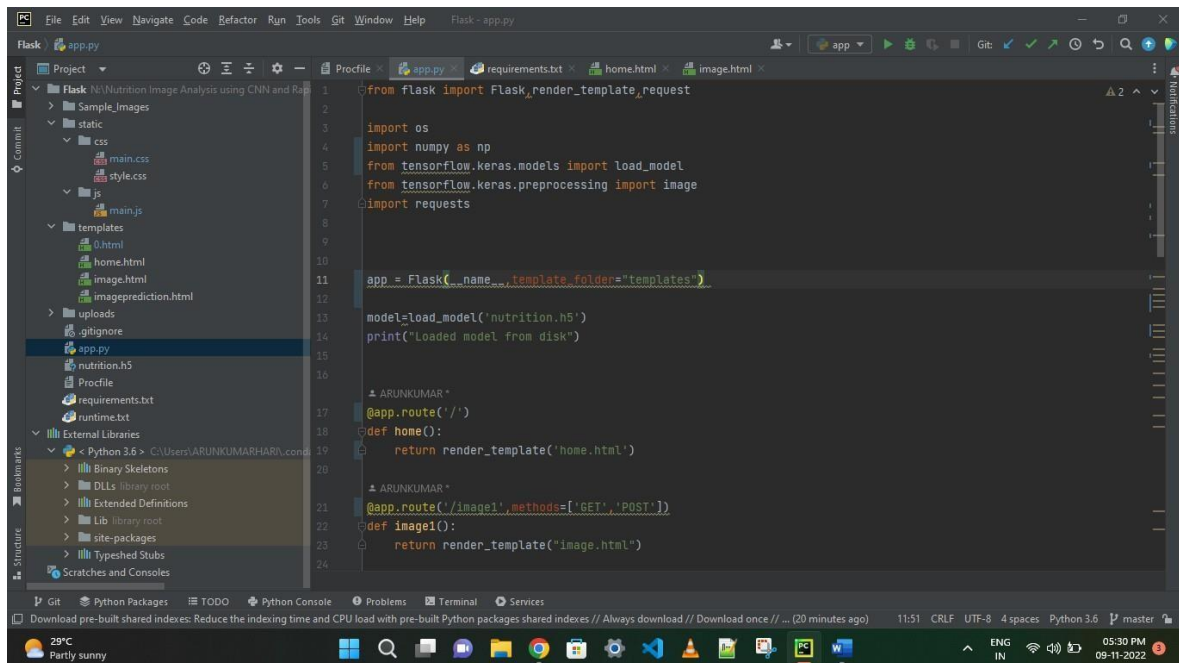


TEAM ID :PNT2022TMID23989

PROJECT NAME : AI-powered Nutrition Analyzer for Fitness Enthusiasts

Creating Our Flask Application And Loading Our Model By Using Load_model Method

Creating our flask application and loading our model by using the load_model method



The screenshot shows a Visual Studio Code editor window with a project named 'Flask - app.py'. The file explorer on the left shows a project structure with folders for 'static' (containing 'css' and 'js') and 'templates' (containing '0.html', 'home.html', 'image.html', and 'imageprediction.html'). There are also files for 'nutrition.h5', 'app.py', 'requirements.txt', and 'runtime.txt'. The main editor displays the code for 'app.py', which imports Flask, Flask render template, request, os, numpy, tensorflow.keras.models (load_model), tensorflow.keras.preprocessing (image), and requests. The code initializes a Flask app with the name 'Nutrition Image Analysis using CNN and Raps' and the template folder 'templates'. It then loads a model named 'nutrition.h5' and prints a message 'Loaded model from disk'. The app has two routes: a home route that renders 'home.html' and an image route that renders 'image.html'.

```
1 from flask import Flask, render_template, request
2
3 import os
4 import numpy as np
5 from tensorflow.keras.models import load_model
6 from tensorflow.keras.preprocessing import image
7 import requests
8
9
10
11 app = Flask(__name__, template_folder='templates')
12
13 model=load_model('nutrition.h5')
14 print("Loaded model from disk")
15
16
17 # ARUNKUMAR*
18 @app.route('/')
19 def home():
20     return render_template('home.html')
21
22 # ARUNKUMAR*
23 @app.route('/image1', methods=['GET', 'POST'])
24 def image1():
25     return render_template("Image.html")
```