

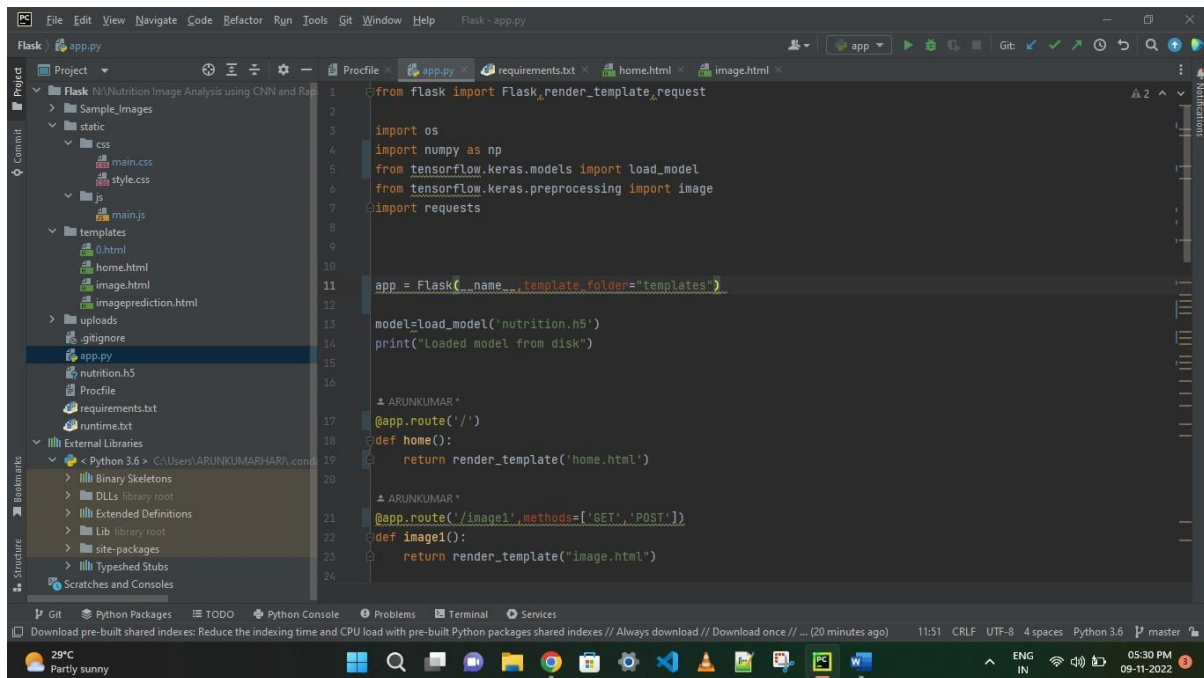
TEAM ID PNT2022TMID01615

PROJECT NAME : AI-powered Nutrition Analyzer for Fitness Enthusiasts

Build Python Code

Importing Libraries

The first step is usually importing the libraries that will be needed in the program.

A screenshot of a code editor window titled 'Flask - app.py'. The editor shows a Python script for a Flask web application. The code includes imports for Flask, render_template, request, os, numpy, load_model, image, and requests. It defines a Flask app with a template folder 'templates'. The app loads a model 'nutrition.h5' and prints a message. There are two routes: a home route that renders 'home.html' and an image1 route that renders 'image.html'. The code is written in a dark-themed editor with a sidebar on the left showing the project structure and a bottom status bar with various icons and settings.

```
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 @app.route('/')
18 def home():
19     return render_template('home.html')
20
21
22 @app.route('/image1', methods=['GET', 'POST'])
23 def image1():
24     return render_template("image.html")
```

Importing the flask module into the project is mandatory. An object of the Flask class is our WSGI application. Flask constructor takes the name of the current module (`__name__`) as an argument Pickle library to load the model file.