

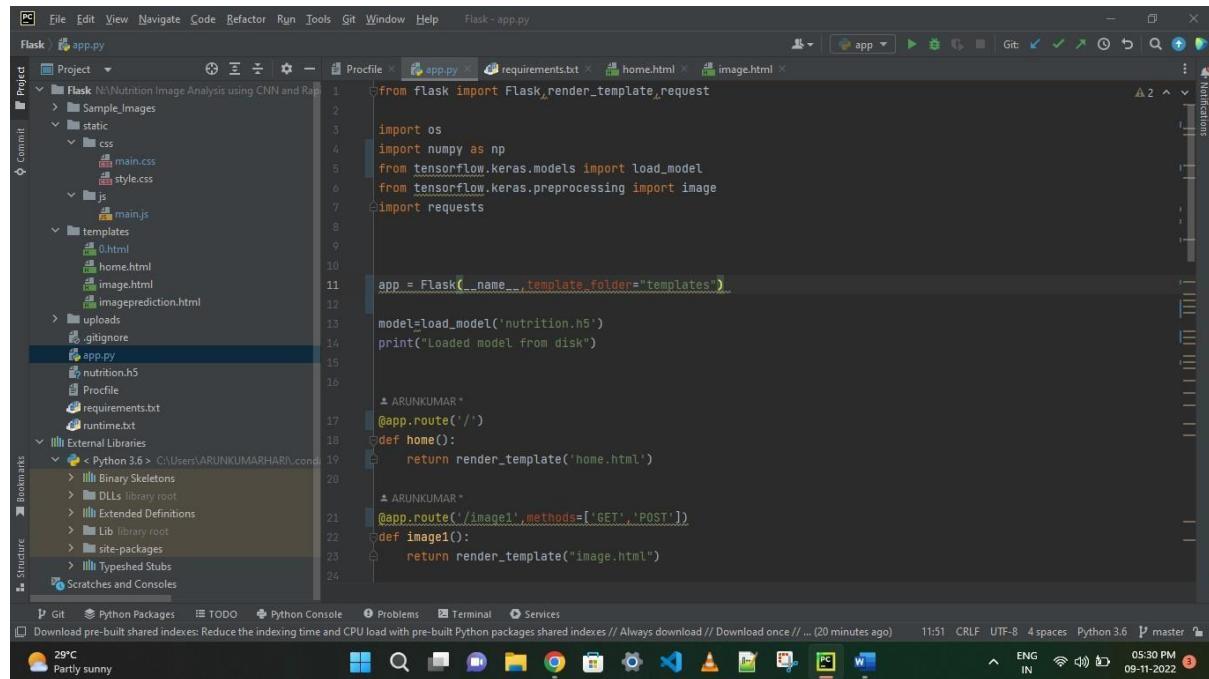
**TEAM ID : PNT2022TMID00751**

**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 the PyCharm IDE interface. The code editor shows a Python file named `app.py` with the following content:

```
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('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")
```

The project structure on the left shows files like `app.py`, `requirements.txt`, `home.html`, `image.html`, and `nutrition.h5`. The status bar at the bottom indicates the environment is Python 3.6, and the system date and time are shown as 09-11-2022 05:30 PM.

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.