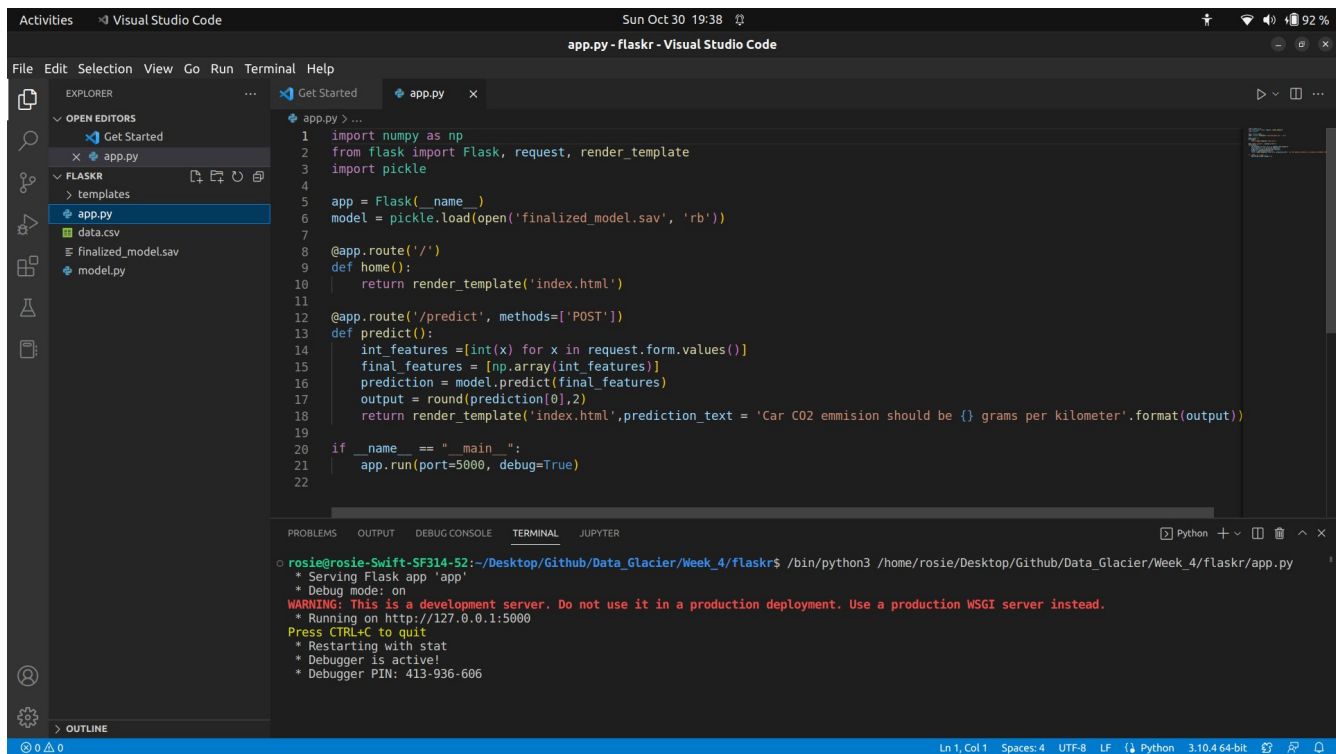


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The screenshot shows the Visual Studio Code interface with a Python Flask application. The Explorer sidebar on the left shows the project structure: 'FLASKR' folder containing 'templates', 'app.py', 'data.csv', 'finalized_model.sav', and 'model.py'. The main editor displays the code for 'app.py', which imports numpy, Flask, and pickle, loads a model, and defines routes for a home page and a prediction endpoint. The terminal at the bottom shows the command to run the application, which successfully starts the Flask server on port 5000.

```
1 import numpy as np
2 from flask import Flask, request, render_template
3 import pickle
4
5 app = Flask(__name__)
6 model = pickle.load(open('finalized_model.sav', 'rb'))
7
8 @app.route('/')
9 def home():
10     return render_template('index.html')
11
12 @app.route('/predict', methods=['POST'])
13 def predict():
14     int_features = [int(x) for x in request.form.values()]
15     final_features = [np.array(int_features)]
16     prediction = model.predict(final_features)
17     output = round(prediction[0],2)
18     return render_template('index.html', prediction_text = 'Car CO2 emmission should be {} grams per kilometer'.format(output))
19
20 if __name__ == "__main__":
21     app.run(port=5000, debug=True)
22
```

rosie@rosie-Swift-SF314-52:~/Desktop/Github/Data_Glacier/Week_4/flaskr\$ /bin/python3 /home/rosie/Desktop/Github/Data_Glacier/Week_4/flaskr/app.py

* Serving Flask app 'app'

* Debug mode: on

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

* Restarting with stat

* Debugger is active!

* Debugger PIN: 413-936-606

ActivitiesGoogle ChromeSun Oct 30 19:40

Rosie's ML API

127.0.0.1:5000/predict

https://learn.u...About MeGoogle Calen...Get a copy of...Metabolism L...Amino acids g...Professional D...31-Day Produc...Other bookmarks

Predict CO2 Emission for a Car

Weight

Volume

Predict

Car CO2 emmision should be 88.93 grams per kilometer

ActivitiesGoogle ChromeSun Oct 30 19:39

Rosie's ML API

Rosie's ML API127.0.0.1:5000

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Predict CO2 Emission for a Car

Weight

Volume

Predict