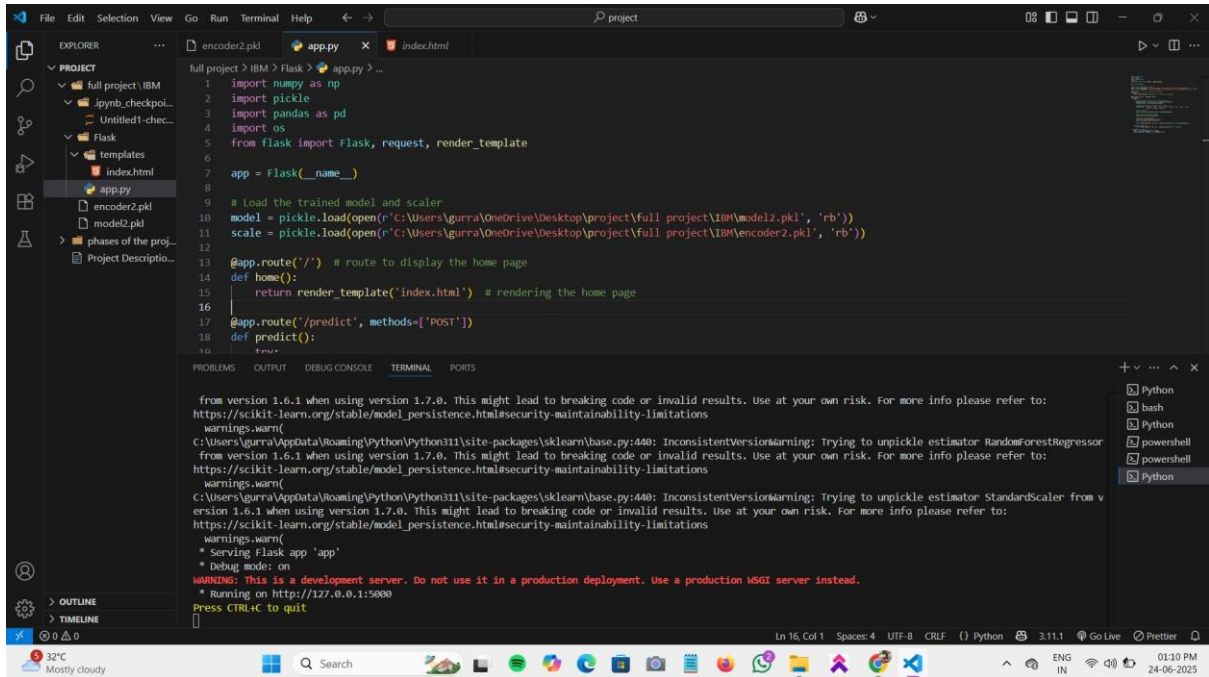


# Pictures of Work & Output

## Work:



The screenshot shows a VS Code editor with a project named 'full project'. The Explorer pane on the left shows the project structure, including 'encoder2.pkl', 'model2.pkl', and 'app.py'. The main editor window displays the code for 'app.py', which is a Flask application. The code imports necessary libraries, loads a trained model and scaler, and defines routes for the home page and a prediction endpoint. The terminal at the bottom shows the output of running the application, including warnings about scikit-learn version inconsistencies and a message indicating the application is running on a development server.

```
full project > flask > app.py > ...
1 import numpy as np
2 import pickle
3 import pandas as pd
4 import os
5 from flask import Flask, request, render_template
6
7 app = Flask(__name__)
8
9 # Load the trained model and scaler
10 model = pickle.load(open(r'C:\Users\gurra\OneDrive\Desktop\project\full project\IBM\model2.pkl', 'rb'))
11 scale = pickle.load(open(r'C:\Users\gurra\OneDrive\Desktop\project\full project\IBM\encoder2.pkl', 'rb'))
12
13 @app.route('/') # route to display the home page
14 def home():
15     return render_template('index.html') # rendering the home page
16
17 @app.route('/predict', methods=['POST'])
18 def predict():
19     # ...
20
```

from version 1.6.1 when using version 1.7.0. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to: [https://scikit-learn.org/stable/model\\_persistence.html#security-maintainability-limitations](https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations)

warnings.warn(

C:\Users\gurra\AppData\Roaming\Python\Python311\site-packages\sklearn\base.py:440: InconsistentVersionWarning: Trying to unpickle estimator RandomForestRegressor from version 1.6.1 when using version 1.7.0. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to: [https://scikit-learn.org/stable/model\\_persistence.html#security-maintainability-limitations](https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations)

warnings.warn(

C:\Users\gurra\AppData\Roaming\Python\Python311\site-packages\sklearn\base.py:440: InconsistentVersionWarning: Trying to unpickle estimator StandardScaler from version 1.6.1 when using version 1.7.0. This might lead to breaking code or invalid results. Use at your own risk. For more info please refer to: [https://scikit-learn.org/stable/model\\_persistence.html#security-maintainability-limitations](https://scikit-learn.org/stable/model_persistence.html#security-maintainability-limitations)

warnings.warn(

\* 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

## Outputs:

