Salary prediction MachineLearning project

HTML and CSS code to design my webpage for salary Prediction

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <title>💼 Predict Your Salary</title>
    <style>
        body {
            font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
            background-color: #f4f6f8;
            margin: 0;
            padding: 0;
        }

        .container {
            max-width: 500px;
            background-color: #ffffff;
            margin: 60px auto;
            padding: 40px 30px;
            border-radius: 12px;
            box-shadow: 0 8px 24px rgba(0, 0, 0, 0.1);
        }

        h2 {
            text-align: center;
            margin-bottom: 30px;
            color: #333;
        }

        label {
            font-weight: 600;
```

```
            display: block;
            margin-bottom: 5px;
            margin-top: 15px;
        }

        input[type="number"],
        select {
            width: 100%;
            padding: 10px;
            margin-top: 3px;
            border-radius: 6px;
            border: 1px solid #ccc;
            box-sizing: border-box;
        }

        input[type="submit"] {
            margin-top: 25px;
            width: 100%;
            background-color: #007bff;
            color: white;
            padding: 12px;
            border: none;
            border-radius: 6px;
            font-size: 16px;
            font-weight: bold;
            cursor: pointer;
            transition: background-color 0.3s ease;
        }

        input[type="submit"]:hover {
            background-color: #0056b3;
        }

        .footer {
            text-align: center;
            margin-top: 20px;
            font-size: 13px;
            color: #777;
        }
    </style>
</head>
<body>
    <div class="container">
        <h2>💼 Predict Your Salary</h2>
        <form action="/predict" method="POST">

            <label for="age">Age:</label>
            <input type="number" name="age" required>
```

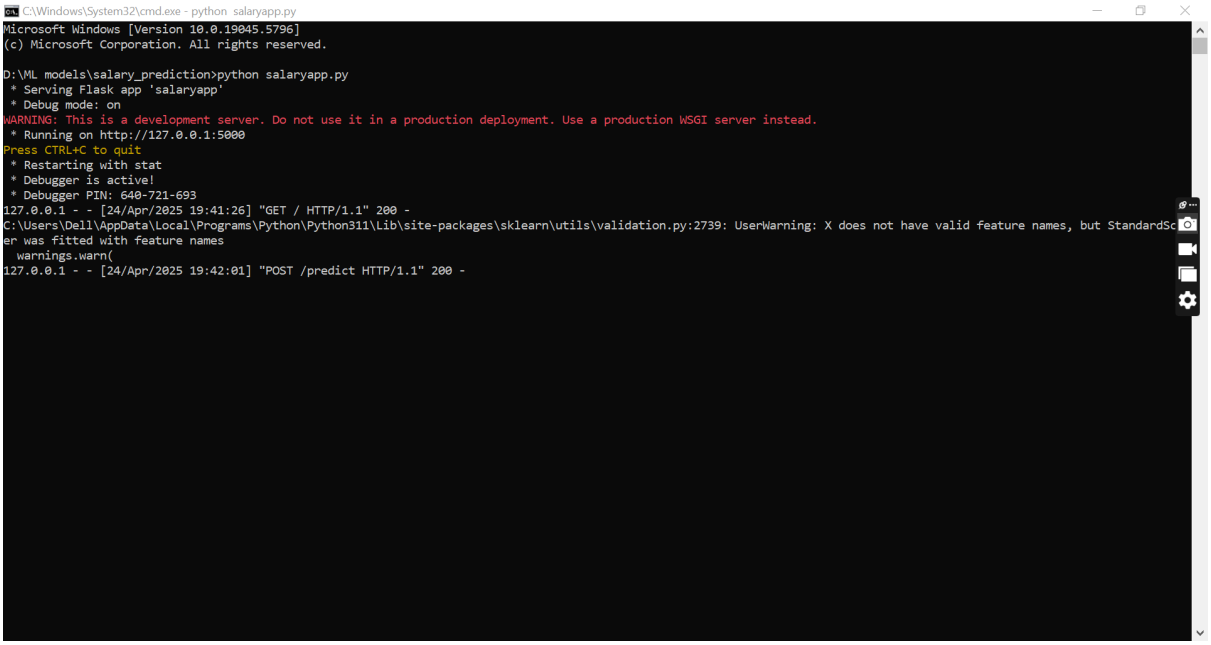
```
            <label for="gender">Gender:</label>
            <select name="gender" required>
                <option value="0">Female</option>
                <option value="1">Male</option>
            </select>

            <label for="education_level">Education Level:</label>
            <select name="education_level" required>
                <option value="0">High School</option>
                <option value="1">Bachelor's</option>
                <option value="2">Master's</option>
                <option value="3">PhD</option>
            </select>

            <label for="job_title">Job Title:</label>
            <select name="job_title" required>
                <option value="0">Data Analyst</option>
                <option value="1">Software Engineer</option>
                <option value="2">Data Scientist</option>
                <option value="3">HR Specialist</option>
                <option value="4">Project Manager</option>
                <option value="5">Other</option>
            </select>

            <label for="years_of_experience">Years of Experience:</label>
            <input type="number" step="0.1" name="years_of_experience" required>

            <input type="submit" value="Predict Salary">
        </form>
        <div class="footer">
            Powered by Machine Learning 💡
        </div>
    </div>
</body>
</html>
```

PYTHON CODE USING FLASK TO INTEGRATE MY TRAINED MODEL AND WEBPAGE

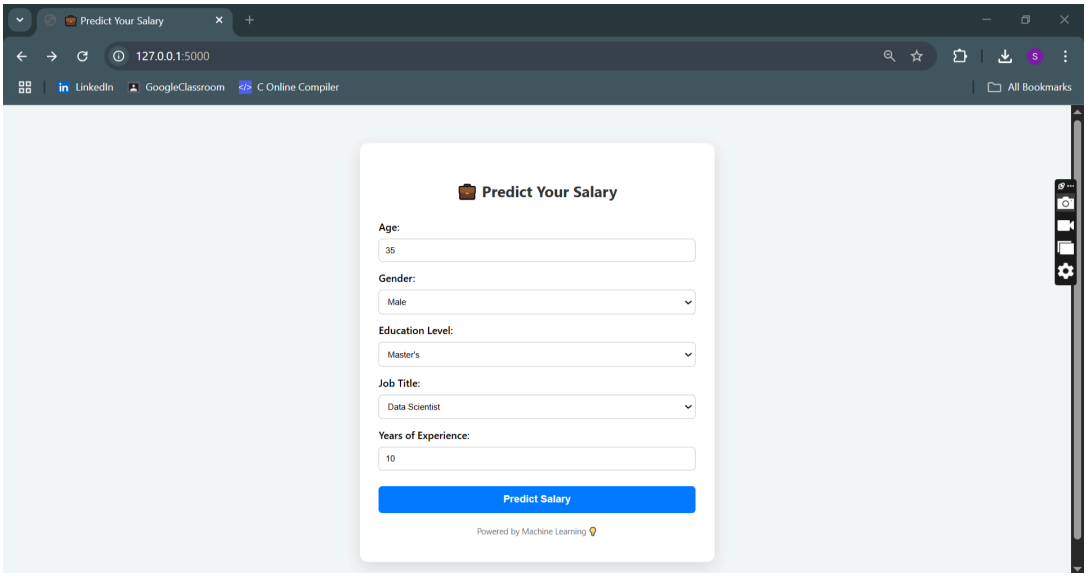
```
from flask import Flask, render_template, request
import numpy as np
```

```
import joblib

app = Flask(__name__)

# Load model and scaler
model = joblib.load("salary_model.pkl")
scaler = joblib.load("scaler.pkl")

@app.route('/')
def home():
    return render_template('salaryindex.html')

@app.route('/predict', methods=['POST'])
def predict():
    try:
        age = float(request.form['age'])
        gender = float(request.form['gender'])
        education_level = float(request.form['education_level'])
        job_title = float(request.form['job_title'])
        years_of_experience = float(request.form['years_of_experience'])

        features = np.array([[age, gender, education_level, job_title, years_of_experience]])
        features_scaled = scaler.transform(features)
        predicted_salary = model.predict(features_scaled)[0]

        return f"<h3>💰 Predicted Salary: ₹{predicted_salary:,.2f}</h3>"

    except Exception as e:
        return f"<h3 style='color:red;'>Error: {e}</h3>"

if __name__ == '__main__':
    app.run(debug=True)
```

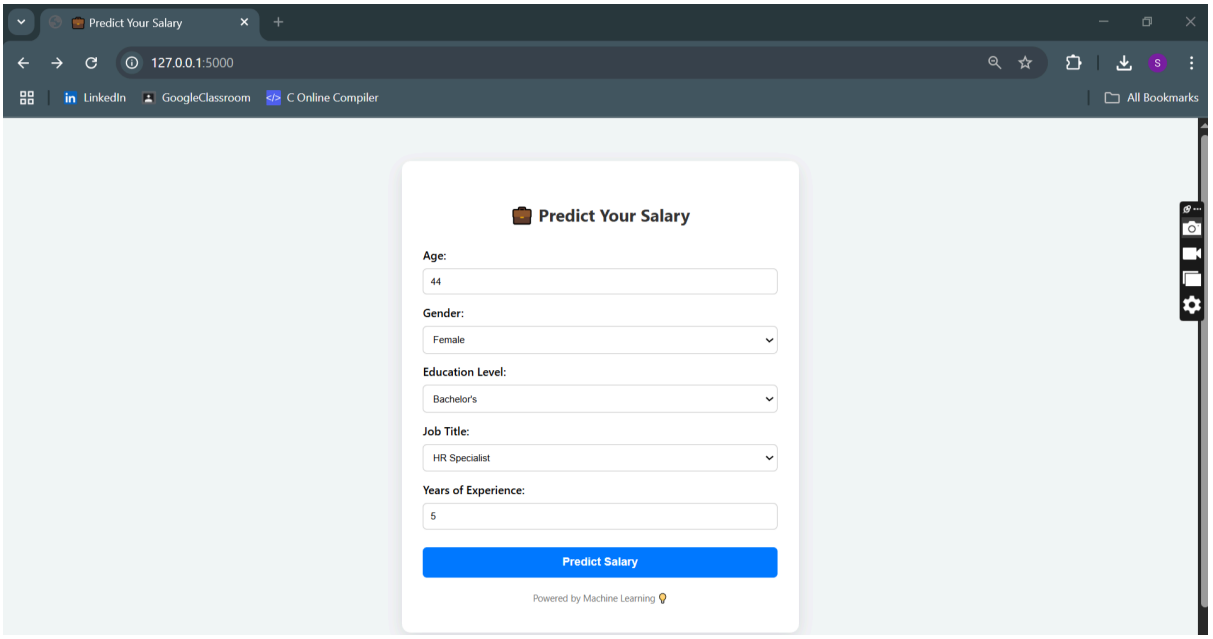
COMMAND PROMPT COMMAND TO OPEN MY WEBPAGE

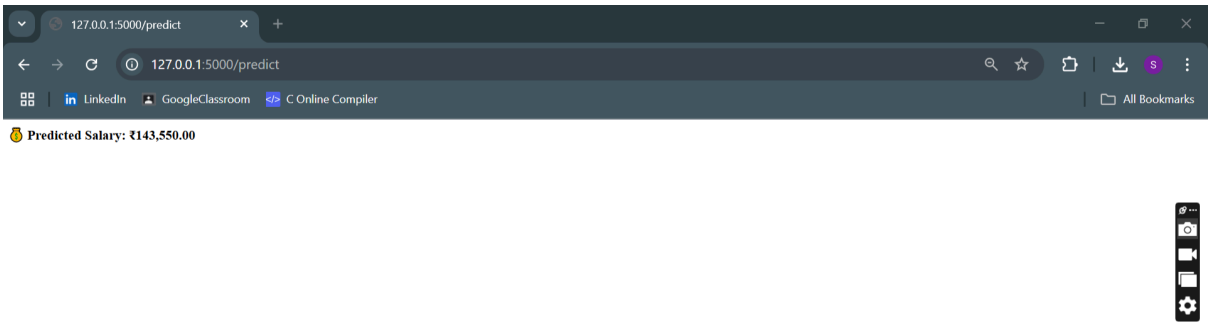


SAMPLE 1: web page with input and predicted salary output



SAMPLE 2: web page with input and predicted salary output


Predict Your Salary
127.0.0.1:5000
LinkedIn
GoogleClassroom
C Online Compiler
All Bookmarks
Predict Your Salary
Age:
44
Gender:
Female
Education Level:
Bachelor's
Job Title:
HR Specialist
Years of Experience:
5
Predict Salary
Powered by Machine Learning


127.0.0.1:5000/predict
127.0.0.1:5000/predict
LinkedIn
GoogleClassroom
C Online Compiler
All Bookmarks
Predicted Salary: ₹143,550.00