



Elements of AI ML (Assignment-2)

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Batch – B11 Btech.CSE

Heart Disease Prediction Model Flask app

--Based on Sdg 3

```
7 # Load the saved model
8 model_path = 'model/best_heart_disease_model.pkl'
9 model = joblib.load(model_path)
10
11 @app.route('/')
12 def index():
13     return render_template('index.html')
14
15 @app.route('/predict', methods=['POST'])
16 def predict():
17     # Extract form data
18     data = request.form
19     # Convert data to input format for the model
20     features = np.array([[float(data['age']), float(data['cp']), float(data['trestbps']),
21                           float(data['chol']), float(data['fbs']), float(data['restecg']),
22                           float(data['thalach']), float(data['exang']), float(data['oldpeak']),
23                           float(data['slope']), float(data['ca']), float(data['thal'])]])
24
25     # Make prediction
```

PS C:\Users\devan\OneDrive\Desktop\heart_disease_app\Assignment-2>
python -u "c:\Users\devan\OneDrive\Desktop\heart_disease_app\Assignment-2\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: 103-552-829

Heart Disease Prediction

Age:

Enter the patient's age.

Sex (1 = Male, 0 = Female):

Enter 1 for Male or 0 for Female.

Chest Pain Type (0-3):

0 = No chest pain, 1 = Typical angina, 2 = Atypical angina, 3 = Non-anginal pain.

Resting Blood Pressure:

Enter the patient's resting blood pressure (mm Hg).

Cholesterol Level:

Enter the patient's serum cholesterol level (mg/dl).

Fasting Blood Sugar (1 = True, 0 = False):

Enter 1 if fasting blood sugar > 120 mg/dl, else enter 0.

Resting ECG (0-2):

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Resting ECG (0-2):

Heart Disease Detected

Thankyou!!