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| # Importing essential libraries |
|  | from flask import Flask, render\_template, request |
|  | import pickle |
|  | import numpy as np |
|  |  |
|  | # Load the Random Forest CLassifier model |
|  | filename = 'heart-disease-prediction-knn-model.pkl' |
|  | model = pickle.load(open(filename, 'rb')) |
|  |  |
|  | app = Flask(\_\_name\_\_) |
|  |  |
|  | @app.route('/') |
|  | def home(): |
|  | return render\_template('main.html') |
|  |  |
|  |  |
|  | @app.route('/predict', methods=['GET','POST']) |
|  | def predict(): |
|  | if request.method == 'POST': |
|  |  |
|  | age = int(request.form['age']) |
|  | sex = request.form.get('sex') |
|  | cp = request.form.get('cp') |
|  | trestbps = int(request.form['trestbps']) |
|  | chol = int(request.form['chol']) |
|  | fbs = request.form.get('fbs') |
|  | restecg = int(request.form['restecg']) |
|  | thalach = int(request.form['thalach']) |
|  | exang = request.form.get('exang') |
|  | oldpeak = float(request.form['oldpeak']) |
|  | slope = request.form.get('slope') |
|  | ca = int(request.form['ca']) |
|  | thal = request.form.get('thal') |
|  |  |
|  | data = np.array([[age,sex,cp,trestbps,chol,fbs,restecg,thalach,exang,oldpeak,slope,ca,thal]]) |
|  | my\_prediction = model.predict(data) |
|  |  |
|  | return render\_template('result.html', prediction=my\_prediction) |
|  |  |
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|  |  |
|  | if \_\_name\_\_ == '\_\_main\_\_': |
|  | app.run(debug=True) |