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|  | Import pandas as pd  from flask import Flask, request, render\_template |
|  | import pickle |
|  |  |
|  | app = Flask (\_\_name\_\_) # initializing a flask app |
|  | model = pickle.load(open('CKD.pkl', 'rb')) #loading the model |
|  |  |
|  | @app.route('/')# route to display the home page |
|  | def home(): |
|  | return render\_template('homepage.html') |
|  | @app.route('/Prediction',methods=['POST','GET']) |
|  | def prediction (): # route to display prediction page |
|  | return render\_template('prediction.html') |
|  | @app.route("/Home", methods=['POST', 'GET']) |
|  | def my\_home(): |
|  | return render\_template('homepage.html') |
|  | @app.route('/predict', methods=['POST']) # route to show the predictions in a web UI |
|  | def predict(): |
|  | #reading the inputs given by the user |
|  | input\_features=[float(x) for x in request.form.values()] |
|  | features\_value = [np.array(input\_features)] |
|  |  |
|  | features\_name = ['blood\_urea', 'blood glucose random', 'coronary artery\_disease' |
|  | 'anemia', 'pus\_cell", "red\_blood\_cells', 'diabetesmellitus', 'pedal\_edema'] |
|  | df = pd.DataFrame (features\_value, columns=features\_name) |
|  | output = model.predict(df) # predictions using the loaded model file |
|  | # showing the prediction results in a UI# showing the prediction results in a UI |
|  | return render\_template('predictionreport.html', prediction\_text=output) |
|  | if \_\_name\_\_=='\_\_main\_\_': |
|  | app.run(debug=True) # running the app |