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| from flask import Flask, render\_template, request # Flask is a application |
|  | # used to run/serve our application |
|  | # request is used to access the file which is uploaded by the user in out application |
|  | # render\_template is used for rendering the html pages |
|  | import pickle # pickle is used for serializing and de-serializing Python object structures |
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|  | app=Flask(\_\_name\_\_) # our flask app |
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|  | @app.route('/') # rendering the html template |
|  | def home(): |
|  | return render\_template('home.html') |
|  | @app.route('/predict') # rendering the html template |
|  | def index() : |
|  | return render\_template("index.html") |
|  |  |
|  | @app.route('/data\_predict', methods=['POST']) # route for our prediction |
|  | def predict(): |
|  | age = request.form['age'] # requesting for age data |
|  | gender = request.form['gender'] # requesting for gender data |
|  | tb = request.form['tb'] # requesting for Total\_Bilirubin data |
|  | db = request.form['db'] # requesting for Direct\_Bilirubin data |
|  | ap = request.form['ap'] # requesting for Alkaline\_Phosphotase data |
|  | aa1 = request.form['aa1'] # requesting for Alamine\_Aminotransferase data |
|  | aa2 = request.form['aa2'] # requesting for Aspartate\_Aminotransferase data |
|  | tp = request.form['tp'] # requesting for Total\_Protiens data |
|  | a = request.form['a'] # requesting for Albumin data |
|  | agr = request.form['agr'] # requesting for Albumin\_and\_Globulin\_Ratio data |
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|  | # coverting data into float format |
|  | data = [[float(age), float(gender), float(tb), float(db), float(ap), float(aa1), float(aa2), float(tp), float(a), float(agr)]] |
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|  | # loading model which we saved |
|  | model = pickle.load(open('liver\_analysis.pkl', 'rb')) |
|  |  |
|  | prediction= model.predict(data)[0] |
|  | if (prediction == 1): |
|  | return render\_template('noChance.html', prediction='You have a liver desease problem, You must and should consult a doctor. Take care') |
|  | else: |
|  | return render\_template('chance.html', prediction='You dont have a liver desease problem') |
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|  | if \_\_name\_\_ == '\_\_main\_\_': |
|  | app.run() |