

```
pickle.dump(lgr, open('CKD.pkl', 'wb'))
```

```
y x  
from flask import Flask, render_template, request  
import numpy as np  
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('home.html') #rendering the home page
```

```
@app.route('/Prediction',methods=['POST','GET'])
```

```
def prediction():  
    return render_template('indexnew.html')
```

```
@app.route('/Home',methods=['POST','GET'])
```

```
def my_home():  
    return render_template('home.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', 'anemia',  
                    'coronary_artery_disease', 'pus_cell', 'red_blood_cells',  
                    'diabetesmellitus', 'pedal_edema']
```

```
    df = pd.DataFrame(features_value, columns=features_name)
```

```
    # predictions using the loaded model file
```

```
    output = model.predict(df)
```

```
# showing the prediction results in a UI# showing the prediction results in a UI
return render_template('result.html', prediction_text=output)
```

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

```
(base) D:\SmartBridge\Chronic Kidney Disease>python app.py
* Serving Flask app "app" (lazy loading)
* Environment: production
  WARNING: This is a development server. Do not use it in a production deployment.
  Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
```




Smart
Internz

[HOME](#)

[Prediction](#)

CHRONIC KIDNEY DISEASE PREDICTION

Chronic Kidney Disease

A Machine Learning Web App, Built with Flask

Enter your blood_urea
Enter your blood glucose random
Select anemia or not ▼
Select coronary artery disease or not ▼
Select pus_cell or not ▼
Select red_blood_cell level ▼
Select diabetesmellitus or not ▼
Select pedal_edema or not ▼

Predict

The screenshot displays a web browser window with the address bar showing '127.0.0.1:5000/Prediction?'. The main content area features a red header with the title 'Chronic Kidney Disease' and the subtitle 'A Machine Learning Web App, Built with Flask'. Below the header, there is a form with seven input fields arranged vertically. The first two fields contain the value '1'. The next five fields contain categorical values: 'NO', 'NO', 'normal', 'normal', and 'NO'. Each of these five fields has a small downward arrow on the right side, indicating they are dropdown menus. Below the input fields is a rounded rectangular button labeled 'Predict'. The browser's interface includes standard navigation buttons (back, forward, refresh, home) and a search icon. The Windows taskbar at the bottom shows the system tray with the date '25-01-2023' and time '10:53', along with various application icons.