

FileEditSelectionViewGoRunTerminalHelpiris_classification

EXPLORER

IRIS_CLASSIFICATION

templates

index.html

app.py

iris_model.pkl

README.md

requirements.txt

app.py

home

1 from flask import Flask, request, render_template

2 import pickle

3 import numpy as np

4

5 app = Flask(__name__)

6 model = pickle.load(open('iris_model.pkl', 'rb'))

7

8 @app.route('/')

9 def home():

10 return render_template('index.html')

11

12 @app.route('/predict', methods=['POST'])

13 def predict():

14 try:

15 features = [float(x) for x in request.form.values()]

16 final_features = np.array(features).reshape(1, -1)

17 prediction = model.predict(final_features)

18 species = {0: 'Setosa', 1: 'Versicolour', 2: 'Virginica'}

19 output = species[prediction[0]]

20 return render_template('index.html', prediction_text=f'The Iris species is: {output}')

21 except:

22 return render_template('index.html', prediction_text="Error in prediction. Please check your input.")

23

24 if __name__ == '__main__':

25 app.run(debug=True)

26

PROBLEMS

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

Press CTRL+C to quit

* Restarting with stat

* Debugger is active!

* Debugger PIN: 681-055-289

127.0.0.1 - - [16/Nov/2024 15:44:39] "GET / HTTP/1.1" 200 -

127.0.0.1 - - [16/Nov/2024 15:44:39] "GET /favicon.ico HTTP/1.1" 404 -

127.0.0.1 - - [16/Nov/2024 15:45:54] "GET / HTTP/1.1" 200 -

127.0.0.1 - - [16/Nov/2024 15:45:55] "GET /favicon.ico HTTP/1.1" 404 -

127.0.0.1 - - [16/Nov/2024 15:46:44] "POST /predict HTTP/1.1" 200 -

127.0.0.1 - - [16/Nov/2024 15:47:01] "POST /predict HTTP/1.1" 200 -

127.0.0.1 - - [16/Nov/2024 15:49:37] "POST /predict HTTP/1.1" 200 -

OUTLINE

TIMELINE

Ln 8, Col 16

Spaces: 4

UTF-8

CRLF

{}

Python

3.12.1 64-bit



