|  |
| --- |
| from flask import Flask,request, url\_for, redirect, render\_template |
|  | import numpy as np |
|  | import joblib |
|  |  |
|  | app = Flask(\_\_name\_\_) |
|  |  |
|  | model=joblib.load('forestfiremodel.pkl') |
|  |  |
|  | @app.route('/') |
|  | def hello\_world(): |
|  | return render\_template("index.html") |
|  |  |
|  |  |
|  | @app.route('/predict',methods=['POST','GET']) |
|  | def predict(): |
|  | int\_features=[float(x) for x in request.form.values()] |
|  | final=[np.array(int\_features)] |
|  | print(int\_features) |
|  | print(final) |
|  | prediction=model.predict\_proba(final) |
|  | output='{0:.{1}f}'.format(prediction[0][1], 2) |
|  |  |
|  | if output>str(0.5): |
|  | return render\_template('index.html',pred='Your Forest is in Danger.\nProbability of fire occuring is {}'.format(output)) |
|  | else: |
|  | return render\_template('index.html',pred='Your Forest is safe.\n Probability of fire occuring is {}'.format(output)) |
|  |  |
|  |  |
|  | if \_\_name\_\_ == '\_\_main\_\_': |
|  | app.run(debug=True) |