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| --- |
| from flask import Flask, render\_template, request |
|  | import numpy as np |
|  | import pandas as pd |
|  | from sklearn import metrics |
|  | import warnings |
|  | import pickle |
|  | warnings.filterwarnings('ignore') |
|  | from features import FeatureExtraction |
|  | from flask\_mysqldb import MySQL |
|  |  |
|  | app = Flask(\_\_name\_\_) |
|  |  |
|  | app.config['MYSQL\_HOST'] = 'localhost' |
|  | app.config['MYSQL\_USER'] = 'root' |
|  | app.config['MYSQL\_PASSWORD'] = '' |
|  | app.config['MYSQL\_DB'] = 'report' |
|  |  |
|  | mysql = MySQL(app) |
|  |  |
|  | xgb = pickle.load(open("XGBoostClassifier.pkl", "rb")) |
|  |  |
|  | @app.route("/", methods=["GET", "POST"]) |
|  | def home(): |
|  | if request.method == "POST": |
|  |  |
|  | url = request.form["url"] |
|  | obj = FeatureExtraction(url) |
|  |  |
|  | x = np.array(obj.getFeaturesList()).reshape(1,13) |
|  | print(x) |
|  | y\_pred =xgb.predict(x)[0] |
|  | print(y\_pred) |
|  | y\_pro\_phishing = xgb.predict\_proba(x)[0,0] |
|  | print(y\_pro\_phishing) |
|  | y\_pro\_non\_phishing = xgb.predict\_proba(x)[0,1] |
|  | print(y\_pro\_non\_phishing) |
|  |  |
|  | if(y\_pro\_phishing\*100<60): |
|  | msg="Trick or Treat?\n Look at this tweet.\n This site is elite!\n" |
|  | flag=1 |
|  | else: |
|  | msg="Trick or Treat?\n Don't get deceit.\n This site is creep!\n" |
|  | flag=-1 |
|  |  |
|  | return render\_template('result.html', msg=msg, url=url, val=flag) |
|  |  |
|  | return render\_template("index.html") |
|  |  |
|  | @app.route("/report", methods=["GET", "POST"]) |
|  | def report(): |
|  | if request.method == 'GET': |
|  | return render\_template("contact.html") |
|  |  |
|  | if request.method == 'POST': |
|  | name = request.form['name'] |
|  | email = request.form['email'] |
|  | query = request.form['query'] |
|  | cursor = mysql.connection.cursor() |
|  | cursor.execute(''' INSERT INTO responses VALUES(%s,%s,%s)''',(name,email,query)) |
|  | mysql.connection.commit() |
|  | cursor.close() |
|  | return render\_template("alert.html") |
|  |  |
|  |  |
|  | if \_\_name\_\_ == '\_\_main\_\_': |
|  | app.run(debug=True) |