Web Phishing Detection Using Machine Learning

Phishing Url Detection Using PYTHON

Python:

```
import os;

from flask import flask

from flask import(

                        flash,render_template,request

)

from utils, import secure_filename

impor phishing_detection

app=flask(_name_)

UPLOAD_FOLDER="/files"

app.config['UPLOAD_FOLDER']= UPLOAD_FOLDER

ALLOWED_EXTENTIONS=set(['txt','pdf','png'])

def allowed_file (filename) and /

filename.rsplit('.',1)


@app.route(/result)

def result();

  url name =request.args['name']

result =phishing_detecti.getResult(urlname)
```

```python
return result

@app.route(¥result)

def result():

urlname=request.args['name']

result=phishing_detection.getResult(url name)

return result

list=[X.start(0) for x in re.finditer()]

i=0 sucess=0

if soup==.find_all('link',href-True):

dots=[x.start(0)for x in re.finditer

if url in link['href'] or domain inlink[href']

sucess=sucess+1

i=i+1

for script in soup.find all('script',src=true)

def generate_data_set(url)

data_set=[]

if not re.match(r"^https?,url)

url="http://+url

try:

response =requests.get(url)

exceptL
```

```
response=

sop=-999

filename=secure_filename(file.filename)

contents=file.read()

with open ("file/url.txt","ud")

return render_template("getInput.html")

return render_template("getInput.html")
```

sample output:

Phishing-Url-Detection-Using-Machine-Learning-master [C:\Phishing-Url-Detection-Using-Machine-Learning-master] - ...\server.py - PyCharm (Administrator)

File Edit View Navigate Code Refactor Run Tools VCS Window Help

Phishing-Url-Detection-Using-Machine-Learning-m... server.py

Project Filer
C:\Phishing-Url-Detection-Usin
  .idea
  files
    URL.txt
  templates
  venv
  dataset.csv
  feature_extraction.py
  Features.txt
  phishing_detection.py
  server.py

```
filename = secure_filename(file.filename)
contents = file.read()
with open("files/URL.txt","wb") as f:
    f.write(contents)
file.save = (os.path.join(app.config['UPLOAD_FOLDER'], filename))
return render_template("getInput.html")
return render_template("getInput.html")
```

server   server (1)   phishing_detection   feature_extraction   phishing_detection (1)   server (2)   server (3)

WARNING: This is a development server. Do not use it in a production deployment.
Use a production WSGI server instead.
* Debug mode: on
* Restarting with stat
* Debugger is active!
* Debugger PIN: 274-051-986
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)

Special Variables

TODO   Terminal   Python Console

Cannot Run Git: Cannot identify version of git executable: no response // Download Configure... (21 minutes ago)   62:1 LF UTF-8 Tab* Git: master Python 3.7 (Phishing-Url-Detection-Using-Machine-Learning-master)

00:02:38 Stop recording

127.0.0.1:5000

Apps   android - How to c...   New folder   Python Django web...   Suggested Sites   Web Slice Gallery   download   Edit Post - Fun Bho...   Home1   Images   Other bookmarks

Phishing Url Detection

Enter a URL: http://onpricei.com/   Submit

If you want see the result of multiple URL's. You can upload a file containing URL's   Upload File

This is a Legitimate Url

00:04:50 Stop recording