Web Phishing Detection Using Machine Learning

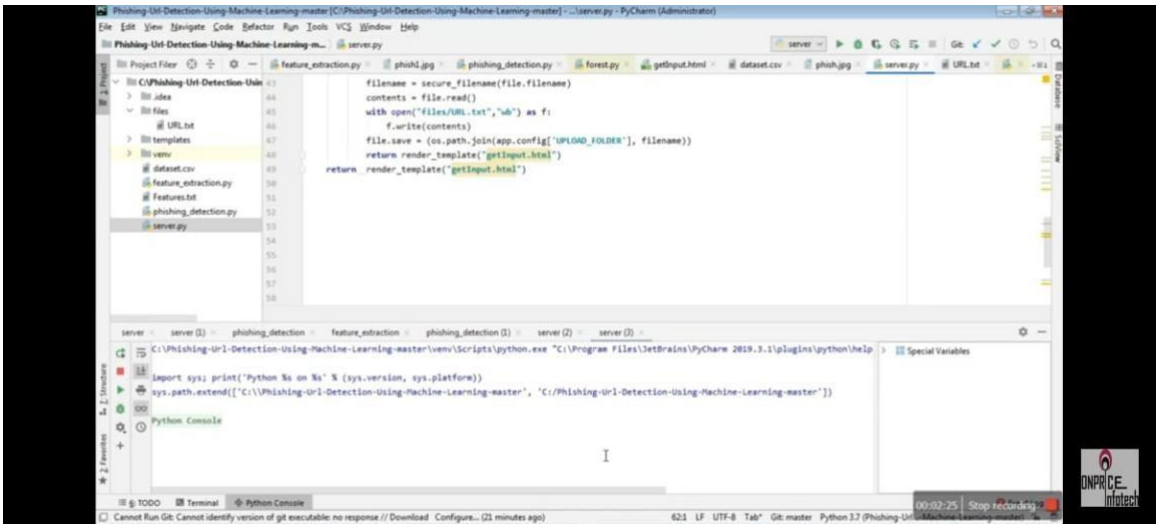
Phishing Url Detection Using PYTHON

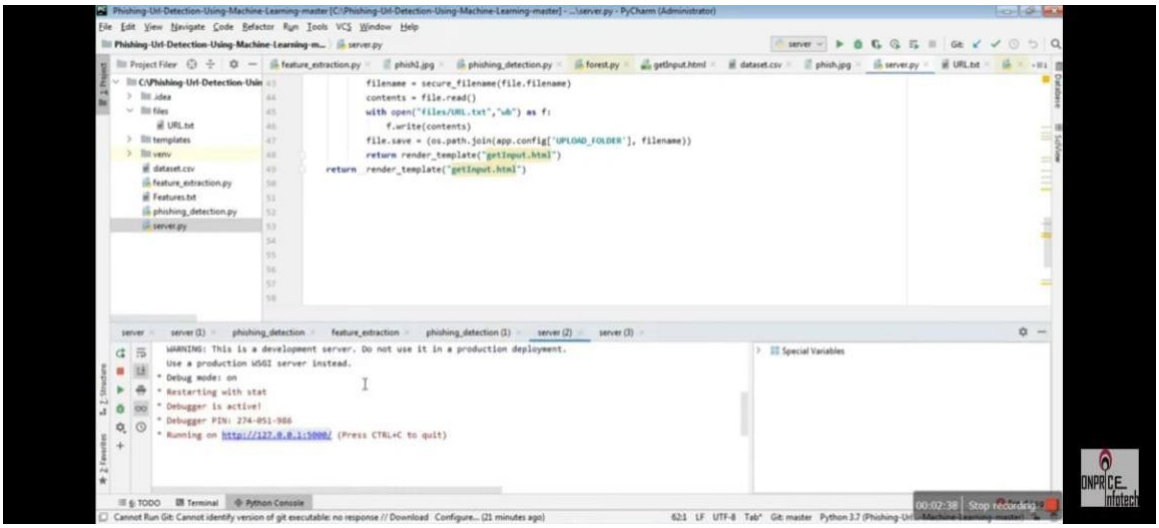
Python:

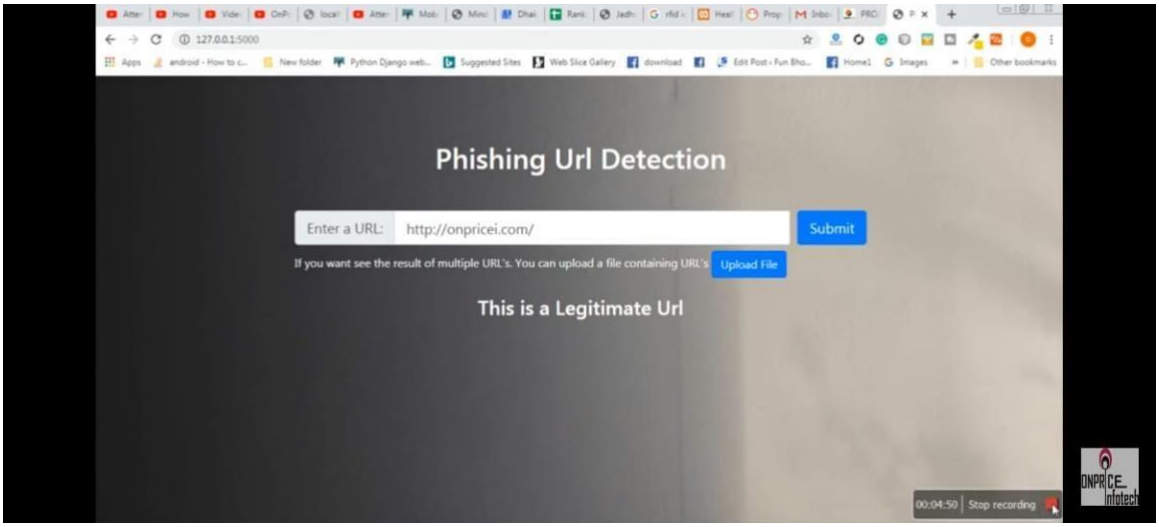
```
import os; from flask import flask from flask import(

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)

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:






127.0.0.1:5000
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