Coding & Solutioning

Readability

Date	10 November 2022
Team ID	PNT2022TMID28921
Project Name	Project – Web Phishing Detection with an Interactive Dash Board
Maximum Marks	2 Marks

Readability:

The Python language was designed with readability in mind, based on the well-known observation that code is read far more frequently than it is written.

Since we have uses python, it is clear that our code provides high readability and we've also used variables that are very meaningful so even if a new person were to handle our code it will be very easy for them.

#Vimala, Fathima Iffadha , sindhuja , Sabarmathi

```
#importing required libraries

from flask import Flask, request, render_templ
import numpy as np
import pandas as pd
from sklearn import metrics
import warnings
import pickle
warnings.filterwarnings('ignore')
from feature import FeatureExtraction

```

```python
from feature import FeatureExtraction

file = open("model.pkl","rb")
gbc = pickle.load(file)
file.close()


app = Flask(__name__)

@app.route("/", methods=["GET", "POST"])
def index():
    if request.method == "POST":

        url = request.form["url"]
        obj = FeatureExtraction(url)
        x = np.array(obj.getFeaturesList()).reshape(1,30)

        y_pred =gbc.predict(x)[0]
        #1 is safe
        #-1 is unsafe
        y_pro_phishing = gbc.predict_proba(x)[0,0]
        y_pro_non_phishing = gbc.predict_proba(x)[0,1]
        # if(y_pred ==1 ):
        pred = "It is {0:.2f} % safe to go ".format(y_pro_phishing*100)
        return render_template('index.html',xx =round(y_pro_non_phishing,2),url=url )
    return render_template("index.html", xx =-1)


if __name__ == "__main__":
    app.run(debug=True,port=2002)
```