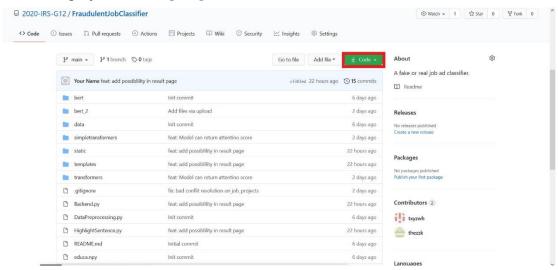
User Guide

Installation

Clone our project from https://github.com/2020-IRS-G12/FraudulentJobClassifier



Install python 3.7.7

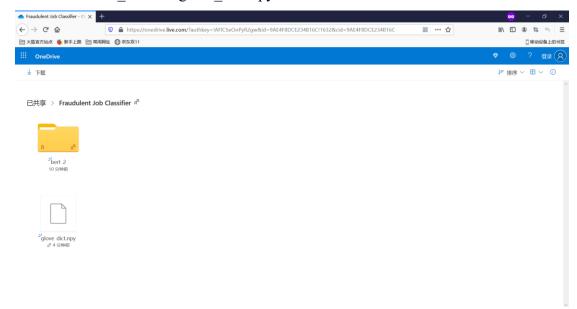
https://www.ics.uci.edu/~pattis/common/handouts/pythoneclipsejava/python.html

Install package:

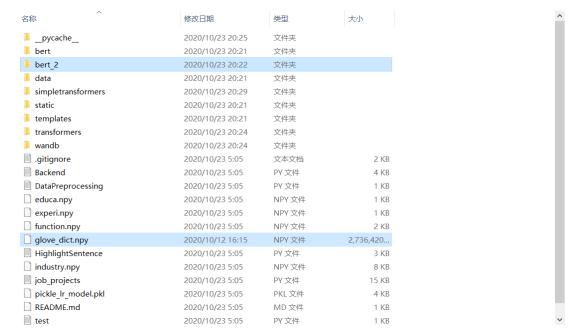
```
pip install matplotlib
pip install tensorflow==2.2.0
pip install transformers
pip install simpletransformers
pip install flask
pip install seaborn
pip install nltk
pip install imblearn
pip install spacy
python -m spacy download en_core_web_sm
pip install torch==1.6.0+cpu torchvision==0.7.0+cpu
https://download.pytorch.org/whl/torch_stable.html
```

-f

open this link: https://ldrv.ms/u/s!AmyxNOLc-OSajGBZQknjpz8n4toM?e=gzxINy Download "bert_2" and "glove_dict.npy"



Copy "bert_2" and "glove_dict.npy" to your FraudulentJobClassifier directory.



Run project

Execute Backend.py

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Backend. pyE3
      from flask.templating import render template
from werkzeug.utils import html, redirect
       from sklearn.preprocessing import LabelEncoder
       from sklearn.preprocessing import StandardScaler
      from job projects import lr,be,ga job,fliter
      import sys
      import HighlightSentence as hs
       import pandas as pd
       import numpy as np
       import nitk
      #nltk.download('punkt')
#nltk.download('stopwords')
      app = Flask(_name_)
      data = pd.read_csv('data/data_ir.csv')
     eclass TextInfo:
           word_list = []
           company profile = ''
           requirements = '
       from flask.templating import render_template
       from werkzeug.utils import html, redirect
       from sklearn.preprocessing import LabelEncoder
       from sklearn.preprocessing import StandardScaler
       from job_projects import lr,be,ga_job,fliter
      import sys
      import HighlightSentence as hs
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      import pandas as pd
      import numpy as np
      import nltk
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       nltk.download('punkt')
       nltk.download('stopwords')
      app = Flask(__name__)
      data = pd.read csv('data/data lr.csv')
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     | class TextInfo:
           word list = []
           company_profile =
           requirements = ''
```

Lunch CMD and enter the **FraudulentJobClassifier** directory, then execute the command: python Backend.py

```
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Copy this link to Chrome or Firefox and you can enjoy our system. After first run, you can choose to comment these two lines again:

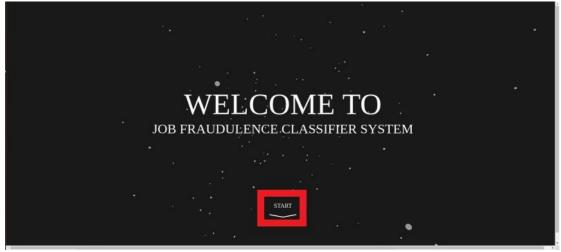
- nltk.download('punkt')
- nltk.download('stopwords')

Supported Browsers

Firefox, Google Chrome

Use the system

After you paste the URL into browser's address bar then press "Enter", you can see the start page, please click start button to enter next page.



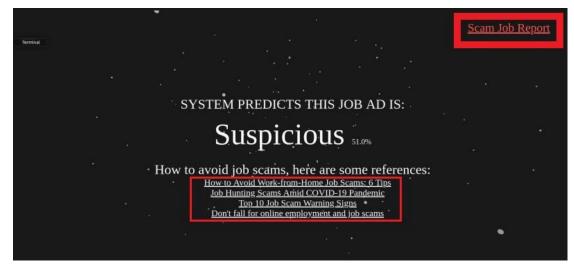
The next page is the form page, you can fill in the job information that you find on the Internet or you also can click the buttons in the red block to use example cases to test our system. Finish filling and click the summit button, then you can go to next page

	CASEL REAL	CASE3; REAL CASE3; FAKE	
JOB POSITION OPPORTUNIT	Department	Does the company ask you to telecommute?	● Yes ○ NO
eg Sales Associate	eg Malering	Does the company has any questions for you?	○ Yes ● NO
Part-time	Required Experience	Does the company has any logos?	○ Yes * NO
eg. Full time of Part-time	e.g. like loomship, Eury lesel		
Required Education	Function of Position	Requirements	Benefits
e.g. Bacheloc's Digine	e.g. Health Cate Provider		e.g. What you can benefit from the company
Industry		e.g. The skills company needs you to have	e.g. was you can resemment us company.
# 4. Computer Followse		I'm very happy to inform you about t with your school (The University of	he job opportunity in conjunct Houston) we got your mail fro
CiscoSystems		I'w very happy to inform you about t with your school (The University of your school data base. Our reputable is running a student empowerment pro hardworking student to secure a work was if remainer, facility works and your s	company (CiscoSystems Compar gram. This program is to help at home job, this will not st school activities. All you need

If our system judges the job you provide is a true job, you can click the back button to return to start page. The possibility next to the result text is the confidence of the result.



If our system judges the job is a fake job, you can go to see the error report highlighting its suspicious parts to find why our system makes such prediction and you can also click the links below to learn some tips to avoid job scams.





Click the back button and you can go to the start page.