HIMALAYA MANDAL

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TEXT MINING | TEAM LEADER | PYTHON SCRIPT | MACHINE LEARNING | CYBER SECURITY | BLOCKCHAIN

OBJECTIVE:

An able, enthusiastic, skilled, and reliable computer technician seeking a position that reflects my experience, skills, and personal attributes including dedication, meeting goals, creativity, and the ability to follow through.

EXPERIENCE

2ND FEBRUARY 2020 TO PRESENT(CONTRUCT BASED JOB)
NLP DEVELOPER, WSE GAMES
JOB ROLE: PYTHON ANALYST.

3RD JUNE 2019 TO 31ST DECEMBER
PYTHON DEVELOPER, ECLIPSE TECHNOCONSULTING GLOBAL PVT. LTD
JOB ROLE: PYTHON ANALYST.

6TH SEPTEMBER 2018 TO 24THAPRIL 2019
PYTHON ANALYST, INDIAN CYBER SECURITY SOLUTION
Job role: Python Analyst.

1ST JANUARY 2018 TO 20TH MAY
INTERN ON MACHINE LEARNING, FUTURE GROUP
Job Role: Developer (python)

SKILLS:

- Python
- Cyber security
- Machine Learning
- Data analysis and visualization using python.
- Data Engineering
- Python Security scripting
- Linux(debian)
- Colaborative filtering
- Matplotlib
- Recommendation system
- Jupyter notebook
- PySpark
- Numpy, pandas, scikit-learn,matplolib etc.etc.
- MySQL
- Mysql ,sqlite,postgresql,mongodb
- Django
- Deep Learning
- Git
- Cryptography & Cryptocurrency
- Bolckchain
- HTML,CSS,JAVASCRIPT
- AWS (ec2,s3,rds,BlockChain)

EDUCATION:

2005-2011
SECONDERY, MASANJHAR ADIBASHI HIGH SCHOOL
PERCENTAGE: 63%
Board: WBSE

2011-2014
HIGER SECONDERY, INDPUR GOENKA HIGH SCHOOL
SPECALIZATION: SCIENCE
Percentage: 63%
Board: WBCHSE

2014-2018
B. TECH, GURU NANAK INSTITUTE OF TECHNOLOGY
SPECALIZATION: COMPUTER SCIENCE AND ENGINEERING
CGPA: 7.10
Board: WBUT

PROJECT:

1. **Mt -5 cars data analysis using r language**
   Duration: 2 months (1st June,2017-31st July,2017)
   Description: Calculate the regression model of mt-5 cars. There is a data set of mt-5 cars. I have to find out the regression model of that. At initial level I faced problem of null value. But I overcome it by filling those values.
   Role: Developer
   Tools: R studio,git
   Language: R language
   Client: Cdac

2. **Big bazar future sells prediction according to past sells data using python**
Duration: 6 months (1st December ,2017 to 1st June 2018)
Description: predict clusters of customers by store location. knowing the set of customers that behave evenly will help them target their product promotions accordingly. In this project data wrangling is the main problem. There is to much error in the data. But after filling the data in particular way I am able to solve the problem. Next problem was the predicting. I have been used pca over gmm and kmeans algorithm to solve the problem.
Role: developer (internship)
Tools: Jupyter notebook, git
Language: Python
Client: Future Group

3. face recognition using python.

Duration:2 months

Description: To recognize face from picture. In this project at first it will click a picturethen it will match with existing picture in our computer. It will convert the pictureinto gray scale using open cv and svm algorithm.

Role: Developer

Tools& Technology: PyCharm&Supervised learning,git

Language: python

Client: Indian Cyber Security Solution

4. Website vulnerability scanner using python

Duration: Still working on that (1st January to now)

Description: It will scan a website and find out those vulnerability which can affectsecurity of that website. At first, we have to bypass the load balancer of a website. So, I have to use change user agent randomly. I used various type of payload to detect those vulnerability.

Role: Developer & team leader.

Team size: 5

Tools: Sublime text 3,git.

Technology: Mechanize, oscp top 10 vulnerability architecture.

Language: Json,xml, python, sql

Client: Indian Cyber Security Solution

5. Mail spoofing

Duration: 1 month (1st January 2019 to 31st January 2019)

Description: By using this, anyone can send mail using any type of mail id. Forthis project I used a server to send those mail. Still, it going to send all mail into spam. So I used google api to Make those mail accepted by Gmail andother email service.

Role: Developer

Tools: Sublime text 3,git

Role: developer & Team leader

Technology: Google spam filter bypass and dmca.

Language: Python & php

Client: Indian Cyber Security Solution

6. Creating a New cryptocurrency

Duration: 5 months

Description: Creating a completely new cryptocurrency called arcturus. Developing the website and The Coin from scrape was my responsibility. I used ethereumico base to create this coin. This project still On Development.

Website: www.Arcturus.com

Role: Lead Developer Developer

Team size: 5

Technology: Block chain technology, aws ec2, blockchain, Django,git

Language: Python,html,css , javascript, Solidity

7. **StartWrite India**

Duration: 8 months

Description: It's a desktop software where kids can learn to write "a,b,c,d" which is made using tkinter and matplotlib as main component . There every letter is dynamic graph using matplotlib.

Website:https://www.startwriteindia.com/

Role: Developer

Technology: python , matplotlib, tkinter,git

Language: Python

8. **Recomaindation System**

Duration: ongoing

Description: User to user mapping according to their post, their search behavior.(cant able to discuss more due to NDA.)

Role: Lead Developer

Technology: python ,collaborative algorithm,svr,knn,word2vec,karnel approximation ,git,

Language: Python

MY RESEARCH BASED WORK:

1. Bezier Curve Algorithm:

It's a Python package which is update by me from previous bezier package. I have been implanted linear interpolation method on the previous algorithm. Now this package will return points and axes plot as per your requirement. It can ignore some angle like you don't want a curve under 30 degrees. I implanted Instartwrite which project I have mentioned before.

Git link: https://github.com/xhimalaya/brezier.git

2. ICMP Smurf attack detection using neral network.

It's a tool which I made for a phd student from nci(national college of Ireland). It's a server side tool. It's can work in real time and also can analysis server log file to identify icmpsmurf attack. Its totally made in python with help of keras and tesorflow. I have been created 6 neurons and the accuracy was approx 92% where for this same random forest algorithm was returned accuracy of 78% with 10000 n_jobs and 1000 nodes with lot more time complexity.

Git link: https://github.com/xhimalaya/ICMP_smurf_attack_detection.git

3. TELEGRAM CHAT DUMP WITHOUT AUTHENTICATION:

It's a python tool which can download telegram chats only using phone number without any authentication. I used telethon package and server authentication bypass method which solved the problem of otpatlogin. I am not shearing the otp bypass due privacy issue. Here is the main code but one component I am not shearing.

Git link: https://github.com/xhimalaya/telegram_chat_dump.git

CIRTIFICATE:

1.   BIG DATA ANALYSIS FROM CDAC
2.   Certified by Microsoft on Database Fundamental
3.   Certified by IIT Mumbai on C programming.

ACHIEVEMENT

Delivered a speech at IIT Kharagpur on Machine Learning.

HOBBY

Off road cycling, Photography.

ABOUT MYSELF

I am an organized, efficient and hard-working person, and am willing to discover and accept new ideas which can be put into practice effectively.