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| hIMALAYA MANDAL  VILL.: Pathardihi, p.o.: hatirampur ,dist.: bankura, pin.: 722121  Phone no.: 8436776454  Email: [himalayamandalcse@gmail.com](mailto:himalayamandalcse@gmail.com)  Linkdin : [www.linkedin.com/in/himalaya-mandal](http://www.linkedin.com/in/himalaya-mandal) |
| NLP | TEAM LEADER | PYTHON Programing | MACHINE LEARNING | cyber security | Data scienceOBJECTIVE: **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.** |

**SKILLS:**

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| * Python * Cyber security * Machine Learning * Data analysis and visualization using python. * Data Engineering * oops * Linux(debian) * Colaborative filtering & Recommendation system * Matplotlib * Jupyter notebook * Data Engineering | * Numpy, pandas, scikit-learn,matplolib etc.etc. * Mysql ,sqlite,postgresql,mongodb * Django & Rest api * Deep Learning * Git * Web scraping * HTML,CSS,JAVASCRIPT * AWS (ec2,s3,rds,BlockChain,sqs,sns,) * Big data analysis * Data Structure |



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| Experience2nd february 2020 to PRESENT (contract based job)NLP developer, **WSE GAMES**Job role: NLP DEVELOPER.3rd june 2019 to 31st decemberPython DEVELOPER, **ECLIPSE technoconsulting global pvt. ltd**Job role: Python Analyst.6Th september 2018 to 24thapril 2019PYTHON ANALYST, **INDIAN CYBER SECURITY SOLUTION** **Job role: Python Analyst.** |
| 1st january 2018 to 20th mayintern ON MACHINE LEARNING, future group Job Role: Developer (python) |

# EDUCATION:

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| 2005-2011SECONDERY, masanjhar adibashi high schoolPercentage: 63% Board: WBSE |
| 2011-2014Higer SECONDERY, Indpur goenka high schoolSPECALIZATION: science Percentage: 63%  Board: WBCHSE  **2014-2018** B. TECH, guru nanak institute of technologySPECALIZATION: cOMPUTER SCIENCE AND ENGINEERING CGPA: 7.10  Board: WBUT |

# Project:

# 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

# 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

# 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

# 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,Json,xml, python, sql

# DataBase: Mongodb, Mysql

# Client: Indian Cyber Security Solution

# 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

# 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

# Database: Mongodb, Mysql

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

# Language: Python,html,css , javascript, Solidity

# 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,numpy , pandas

# Database: Sqlite3

# Language: Python

# Recomaindation System

# Duration: 5 month

# Description: Here I have to build a system where it will recommend user according their search

# History, according their post, comment, hashtags etc etc. Here I have built a total word relation

# Mapping. Their I am scraping total 110 website for latest news update and saving those news in

# S3 , and later showing those news using the recommendation system according user interest.

# All of recommendation return back to to user using api endpoint.

# Role: Lead Developer

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

# Web scraping, s3, sqs, sns, ec2, csv , Django, orm, pandas, numpy

# DataBase: MongoDb

# Extract ,Convert, Rewrite on Image which contain Text.

# Duration: 2 week

# Description: Here I have to build a system where it will Extract the text from image, Translating the

# Text into other language, rewrite on the image. I am using yolo algorithm with cnn to detect the

# Text , Google translate api for translate the text, Image Inpainting

# Role: Lead Developer

# Technology: python, yolo algorithm , opencv, cnn, Django, git

# DataBase: MySql

# 

# MY RESEARCH BASED WORK:

# Bezier Curve Algorithm:

# It’s a Python package which is update by me from previous bezier algorithm 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>

# 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

# 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:

# Big data analysis from cdac

# Certified by Microsoft on Database Fundamental

# Certified by IIT Mumbai on C programming.

# ACHIEVEMENT

# Delivered a speech at IIT Kharagpur on Machine Learning(super vised 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.