|  |
| --- |
| hIMALAYA MANDAL    VILL.: Pathardihi, p.o.: Hatirampur ,dist.: Bankura, pin.: 722121  Phone no.: 8436776454 Skype: himalayamandal@outlook.com  Email: [himalayamandalcse@gmail.com](mailto:himalayamandalcse@gmail.com)  LinkedIn : www.linkedin.com/in/himalaya-mandal  Xing: https://www.xing.com/profile/Himalaya\_Mandal/cv |

# PYTHON | mACHINE lEARNING | dJANGO | rEST-aPI | Data engineering|wEB SCRAPING | nlp |aws | PySpark

SKILLS**:**

**Programming Language:**

Python, Html, CSS, JavaScript

**Framework:**

Django, Rest-Api, PySpark, Apache-Airflow, TensorFlow

**Data Science:**

Machine Learning, Data Engineering & visualization, NLP

**Database:**

PostgreSQL, MongoDB, MySQL, Sqlite3, Redis

**CLOUD:**

AWS, Azure, DataBricks

**Packages & algorithm:**

Pandas, NumPy, Matplotlib, Scikit Learn, SciPy, Collaborative filtering, Recommendation Algorithm,

Clustering Algorithms, Classification Algorithms, request, bs4, scrapy, QT5, NLTK, spacy.

**Version control, Tools & OS:**

Git, Vs Code, JIRA, confluence, Flake8, Jupyter Notebook, Anaconda, Linux (Debian), Scanning

Tools (Netsparker, Accunetix, Nmap, Nessus, Burp Suite, SqlMap)

|  |
| --- |
| ExperienceOctober, 2020 to June 2021Senior software developer,homzhub advisors Pvt. ltdJob role: Senior Software dveloperfebruary 2020 to august 2020NLP developer,WSE GAMESJob role: NLP DEVELOPER.june 2019 to January 2020Python DEVELOPER,ECLIPSE technoconsulting global pvt. ltdJob role: Python DEVELOPER.september 2018 to april 2019PYTHON ANALYST, INDIAN CYBER SECURITY SOLUTIONs pvt. ltd. **Job role:** PYTHON ANALYST. |

# EDUCATION:

|  |
| --- |
| 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:

# User persona Building and recommendation system

# Duration: November, 2020 to till June 2021

# Description: Here I have to build user persona according their behavior the platform. According

# their behavior, I have to push notification, advertise, Real estate property, blog, video etc.

# Role: Lead Developer

# Technology: Dajngo, rest-api, celery, web scrapping, postgresql, apache airflow, Collaborative

# filtering, nlp, classification, PySpark, AWS, git, jira.

# Language: Python

# Client: Homzhub Advisor pvt. Ltd

# Big bazar future sells prediction according to past sells data using

# Python

# Duration: December ,2017 to 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

# Website vulnerability scanner using python

# Duration: Still working on that ( January, 2018 to now)

# Description: It will scan a website and find out those vulnerabilities which can affect security 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 vulnerabilities.

# Role: Developer

# Tools: Accunetix, apache airflow, git.

# Technology: Mechanize, owasp top 10 vulnerability architecture, Json, xml, python, sql

# Database: Mongo dB, MySQL

# Arcturus cryptocurrency Wallet

# Duration: 5 months

# Description: Creating a completely new cryptocurrency called arcturus. Developing the website

# and building the coin was my responsibility. I used ethereum ico base to create this coin.

# Website: www.arcturus.com

# Role: Lead Developer

# Database: Mongo dB, 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 a dynamic graph using

# matplotlib.

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

# Role: Developer

# Technology: python, matplotlib, tkinter, git, numpy , pandas

# Database: Sqlite3

# Language: Python

# Recommendation 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 websites for latest news update and saving

# that 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, pandas, numpy

# Database: Mongo DB

# Website: <https://wenaturalists.com/>

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

# 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 for removing and

# repairing the image.

# Role: Lead Developer

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

# Database: MySQL

# Internship:

# Company Name: Future Group

# Project: Future sell prediction using past sells data.

# TimeLine: 1st December 2017 to 30th june 2018

# 

# 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.

# Git link: <https://github.com/xhimalaya/brezier.git>

# ICMP Smurf attack detection using neral network.

# It’s a server side tool. It’s can work in real time and also can analysis server log file to identify

# icmp smurf attack. It’s 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 otp verification login. 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, hacking.

# 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.