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| hIMALAYA MANDAL     |  | | --- | | ExperienceAugust, 2021 to September 2022data engineer,TredenceJob role: Filtering and mining data from verious source and devlop data pipeline inazure databricks.October, 2020 to June 2021Senior software developer,homzhub advisors Pvt. ltdJob role: Leading a team to develop thhe backend in django and rest-api. Also developinga recommendation system to recormed user as per their behaviour.february 2020 to august 2020NLP developer,WSE GAMESJob role: resposible to devlop a web scraper and a recommendation system for theproduct.june 2019 to January 2020Python DEVELOPER,ECLIPSE technoconsulting global pvt. ltdJob role: resposible to work with client to understand the requierments and deliverthe product.september 2018 to april 2019PYTHON ANALYST, INDIAN CYBER SECURITY SOLUTIONs pvt. ltd.Job role: I was part of training and development team. I was responsible to give training onpython and mechine learning. ALSO, i was responsible to develop vapt tools for scanning. |     VILL.: Pathardihi, p.o.: Hatirampur ,dist.: Bankura, pin.: 722121  Phone no.: +918436776454  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 | mL | dJANGO | rEST-aPI | Data engineering|wEB SCRAPING | nlp |aws | apache airflow|postgresql|git |
| ExperienceAugust, 2022 to nowsenior software engineer,calsoft inc.Job role: Understand and develop the requirements and deliver to client.October, 2020 to June 2021Senior software developer,homzhub advisors Pvt. ltdJob role: leading a team to develop the backend in Django and rest-api. Also developing a recommendation systemto recommend user as per their behavior.february 2020 to august 2020NLP developer,WSE GAMESJob role: responsible to develop a web scraper and a recommendation system for the product.june 2019 to January 2020Python DEVELOPER,ECLIPSE technoconsulting global pvt. ltdJob role: Responsible to work with client to understand the requirements and implement it while maintaining thedeadline.september 2018 to april 2019PYTHON ANALYST, INDIAN CYBER SECURITY SOLUTIONs pvt. ltd.Job role: I was part of training and development team. I was responsible to give training on python and machineLearning and develop vapt tools for internal vapt team. |
| skills: **Programming Language:**  Python  **Framework:**  Django, Rest-Api, Apache-Airflow, Docker  **Data Science:**  Machine Learning, Data Engineering & visualization, NLP, TF-IDF, word2vec  **Database:**  PostgreSQL, MongoDB, MySQL, Sqlite3, Redis  **CLOUD:**  AWS, Azure  **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) |

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# Project:

**EDUCATION:**

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# 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

# 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 k-means 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

# 8. Apstra.

# Description: Develop and manage apstra aos in multiple physical and virtual devices.

# Role: Senior Developer

# Technology: python, Django, git, jira, confluence.

# Database: MySQL

# Internship:

# Company Name: Future Group

# Project: Future sell prediction using past sells data.

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

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# 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

# 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.