HIMANSHU SHEKHAR SINGH

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Education

Jaypee Institue of Information Technology, Noida — August. 2019 – June 2023
Bachelor of Technology in Electronics and Communication Engineering — *Noida, U.P*

Experience

GlobalLogic — August 2023 – Current
Associate Analyst — *Gurugram, Haryana*

- Hands-on experience in programming languages such as Python, Linux/Unix, and Bash and SSH scripting for ETL automation and customization.
- Advanced SQL skills for data manipulation and querying across diverse databases including Knowledge Graph, CNS and Google Cloud Database.
- Thorough understanding of data warehousing concepts, including dimensional modeling, schema design, and optimization techniques.
- Maintaining and Monitoring multiple dashboards of sensitive pipelines for quality flow of Data.
- Specialize in designing, implementing, and optimizing data integration processes to extract, transform, and load data from various sources into data warehouses and data lakes. With a strong background in DBMS, Knowledge Graph, Nodes to Entity Mapping, Python(Beautiful soup, Numpy).

JSW Steel — June 2023 – August 2023
Graduate Engineer Trainee — *Navi Mumbai*

- Learned about 7 Quality controls of the Steel Quality Assurance Process on Excel.
- Provided Assistance and necessary management to the technical staffs on Automations, PLCs, Electrical Appliances.
- Understood carefully about every steps involved in the process of Lime Cancellation Plant utilizing Scada Software.
- Achieved first place out of 90 GETs and was given the opportunity to lead 22 of my coworkers..

Projects

Mutual Friendships in a Social Network using BFS and DFS | *C++, DSA, Graphs Theory* — November 2022
- ***Objective:*** To implement the Friends Suggestion plugIn of Social media platforms like Instagram/Meta
- Created an algorithm utilising the Floyd, Dijkstra, Prim, and Kruskal algorithms to provide better friend suggestions.
- Added multiple data manually to optimize the results.
- Created Instagram/Meta like feature of Suggested friends list.
- Used Vectors, Queue type data structures in order to store information of an account.

Gesture Typing for Handicapped People | *Python, ML and DL* — July 2022
- ***Objective:*** To help handicapped people to type by tracking their movement of their head and capture the gestures(Blinking) of their eyes.
- Used Convolutional Neural Networks, OS Module, OpenCV, Keras, Pandas project is recognizing movement of hand gestures and generating output accordingly.
- Implemented 5 different gestures to control video player i.e. Pause, Play, Forward, Increase or decrease Volume.
- Utilized Kaggle Database in order to train the model for better accuracy.

ICI Mitigation Using OFDM system | *Matlab, MIMO, Wireless Communication* — March 2023
- ***Objective:*** To implement a Existing and Customised Technique in order to reduce Inter Carrier Interference in wireless communications
- Researched thoroughly across multiple research papers in order to implement ICI mitigation Techniques.
- Used Matlab and its tools to create a wireless communication model.
- Implemented SUI-5 model in order to transmit and receive the symbols or data packets.
- Successfully implemented and mitigated ICI and Bit Error Rate for various Frequency channels

Technical Skills

Languages: Python, C++, HTML/CSS, SQL, Excel, Matlab
Developer Tools: VS Code, Google Colab, MySQL Workbench, Power BI
Technical: DSA, Operating Systems, Object Oriented Programming, SDLC, Wireframing, DBMS, Data Modelling

Certificates

Google Data Analytics   **November 2022**
Coursera   *Google Data Analytics*

SQL for Data Analysis   **October 2023**
Linkedin Learning   *Data Analysis, SQL*

Power BI Essential Training   **November 2023**
National Association of State Boards of Accountancy (NASBA)   *Microsoft Power BI*