HARSH KUMAR

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PROFILE SUMMARY

Professional Consultant with 1+ year of experience in developing applications using SQL, Python. Proficient in writing efficient scripts, performing data cleaning, exploratory data analysis (EDA), and identifying trends within large datasets. Developed predictive models. Skilled in optimizing application performance and generating actionable reports. Experienced working in Agile teams collaborating closely with cross-functional stakeholders to deliver scalable software solutions.

EXPERIENCE

Sirion   *Gurgaon, India*
Professional Consultant   June 2024 – Present
- **Automated** daily reporting system by **developing scripts** that **extract data** from the system and deliver reports directly to Teams channels, improving communication efficiency and ensuring timely data access for stakeholders.
- Designed and implemented **JSON-based scripts** to perform large-scale client-side **data processing** and **calculations** based on specified **conditions**, enhancing **data accuracy** and processing efficiency.
- **Collected**, **organized**, and **analyzed** large amounts of data using SQL to **spot patterns**, **catch errors**, and check that the information used in business processes was correct
- Looked into data-related issues by running **database queries**, checking **system logs**, and comparing original data with final outputs to find and fix mismatches.
- Implemented **conditional logic** in Java to dynamically display dropdown values based on user selections, enhancing the user interface with context-sensitive options.
- Worked closely with product managers, analysts, and developers to understand **business goals**, set useful metrics **(KPIs)**, and **Documented** every step taken during investigations, including **queries used**, **findings**, and **solutions.**

PROJECTS

Automated Reporting Script - (Python | SQL | Automation)
- Built a **Python script** to extract data via MySQL, format it into tables, and automatically send reports to the team's communication channel.
- **Automated scheduling** ensured consistent, timely delivery and reduced manual effort.

Client Churn Prediction - (Python|MySQL|EDA)
- Architected a full ML **workflow** on telecom datasets: executed advanced data wrangling and feature engineering using **Pandas** and **NumPy**, addressed the handling of **missing values** and encoding categorical variables.
- Achieved accuracy with high precision and recall feature, integrating results into **MySQL database** to integrate into the system for real time monitoring.

Client-Specific Data Mapping and System Deployment - (Python|MySQL|EDA)
- Led the design and implementation of dynamic data pipelines aligned with client requirements by translating business **KPIs** into scalable **MySQL schema** and metadata configurations.
- **Automated** metadata ingestion and **validation scripts**, ensuring data consistency and enabling customizable reporting frameworks within an Agile environment.

SKILLS

- **Programming Languages:** C++, Python, C, JAVA , JavaScript
- **Database/ Cloud:** MySQL, SQL Server, Azure Data Factory, Data Warehousing
- **Process Management:** JIRA, SharePoint
- **CI/CD:** Git, GitHub, GitLab

EDUCATION
                                                                                                   Punjab, India
Bachelor of Engineering in Computer Science Engineering **[CGPA: 7.27]**   Aug 2019 – July 2023

CERTIFICATIONS

- C Training - **IIT Bombay**
- SQL (Advance) - **Hackerrank**
- Python Data Structure - **Coursera**
- Operating System- **CISCO**
- Network Security & Database Vulnerabilities - **IBM**