Rishabh Kumar Sharma

Data Analyst

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SUMMARY

Dynamic and skilled Data Analyst with a solid foundation in data analysis, SQL, and machine learning. Experienced in interpreting complex datasets and employing statistical techniques to derive accurate insights. Committed to continuous learning, adept at working independently or collaboratively in dynamic environments.

KEY SKILLS

Python, SQL, PL/SQL, Mongo DB, Databricks, Apache Spark, MERN/MEAN Stack, Tableau, Power BI, Data Collection and Validation, Data Mining and Analysis, SSIS, Azure and AWS, Data Cleansing and Modelling, Statistics, Business Data Analysis, Predictive Modeling Techniques, Machine Learning Algorithms, Alteryx, Snowflake, Big Data, Hadoop, MS Excel

PROFESSIONAL EXPERIENCE

Data Analyst - Junior Technical Consultant Feb '22 - Nov '23

Grid Infocom Pvt. ltd Gurugram, IN

- Awarded **Employee of the Quarter** for Q3 2023 due to exceptional **data analysis contributions and leadership**
- Spearheaded **data acquisition** and **validation** for various projects, ensuring **99.5% accuracy** in inventory levels and reducing shipping errors by **10%**
- Provided critical insights through **in-depth data analysis**, informing **strategic decision-making**
- Led **cross-functional teams** in **data-driven projects**, optimizing workflows and fostering **collaboration**
- Improved **process efficiency by 15%** by identifying root causes of complex technical issues with **SQL** and **Python scripting**, and implementing pragmatic solutions

KEY PROJECTS

- **DQF NG Project:**
  I contributed to the DQF NG project, which focused on the **verification** and **provision of services** to clients at **FADV**. My responsibilities included working on the frontend using **React.js**, managing databases such as **SQL, PostgreSQL**, and **MongoDB,** and handling backend development on **Linux servers**. I utilized **VMware** for virtualization and Robotic Process Automation (RPA) tools for process automation. As part of my role, I leveraged my data analytics expertise to create and generate daily reports using **Power BI**, providing comprehensive data visualization and insights that facilitated **data-driven decision-making** and enhanced operational efficiency.

- **CSPI Project:**
  In the CSPI project at FADV, I managed the records of **employee verifications and transaction** details from various clients, including HCL, Infosys, TCS, Cognizant and others. My key responsibilities included **monitoring** and **managing** approximately 110 **RPA bots**, ensuring their **optimal performance**, and resolving issues with appropriate actions. This project involved extensive use of **Robotic Process Automation (RPA)** to streamline and **automate verification processes, enhancing efficiency** and **accuracy across different client transactions.**

- **DQF LEGACY PROJECT:**
  In the DQF Legacy project, I managed and maintained **89 RPA bots** to **automate processes** related to shipment control for **FEDEX**. This project involved tracking transactions, managing driver hiring processes, and maintaining driver documents. My responsibilities included working on the frontend using **React.js**, managing databases such as **SQL, PostgreSQL,** and **MongoDB**, and handling backend development on **Linux** and **Windows servers**. I utilized **VMware** for **virtualization** and **Robotic Process Automation (RPA) tools** for process automation. Additionally, I generated and analyzed daily reports using **Power BI**, providing comprehensive **data visualization** and insights to **enhance operational efficiency** and support **data-driven decision-making**.

- **Earthquake City Mapping of 2023:**
  In my analysis of the 'Earthquake Events Worldwide 2023' dataset, I utilized **Python**, **SQ**L, and **Power B**I to uncover seismic **trends** and **patterns**. I extracted key insights into seismic activity, including identifying seismic **hotspot**s and understanding **tectonic plate interactions**. My analysis contributed to a deeper understanding of the Earth's dynamic behavior and helped track regional

seismicity, showcasing the power of **data analytics in geosciences**.

- **Hotel Booking Cancellation Prediction:**
  In a hotel booking cancellation prediction project, I utilized **Python, SQL**, and **Power BI** to preprocess data, engineer features, and build classification models like **Decision Trees** and **Random Forest.** I focused on achieving a high **F1-score** for class 1 to identify booking cancellations effectively. Additionally, I evaluated model performance using metrics such as **accuracy, precision, recall**, **F1-score**, and **AUC,** and analyzed **feature importance** to understand key predictors of cancellations.

- **Predictive Modelling of Heart Failure:**
  In this project, I used **Python** libraries like **matplotlib, numpy,** and **pygwalker**, along with **Snowflake, SQL,** and **Power BI,** to predict **mortality** by **heart failure** in **cardiovascular diseases**. Focusing on **early detection** and **management** for high-risk individuals, my analysis aimed to inform **population-wide strategies** for preventing cardiovascular diseases by addressing key **risk factors.**

- **SuperMart Insights: Real-time Sales Dashboard:**
  In the Super Market Sales Dashboard project, I developed a comprehensive dashboard using **Python** and its libraries, including **pandas** and **taipy.** This dashboard provided real-time data visualization of key metrics such as **total sales data**, **average sales data**, and **average rating data**. By leveraging these tools, I created **interactive graphs** and **visualizations** that enabled stakeholders to gain immediate insights and make **data-driven decisions**. The project focused on enhancing the visibility of **sales performance** and **customer feedback**, **contributing** to improved **business strategies** and **operational efficiency.**

- **Web Scraping and Data Storage Project:**
  Implemented a web scraping solution using **Python** to extract data from **Flipkart**. Utilized libraries such as **Beautiful Soup** and **Requests** for data extraction and **pandas** for data manipulation. Stored the extracted data in **Excel** for easy access and analysis. Additionally, set up a data pipeline to store the data in both **SQL** and **MongoDB** databases for long-term storage and retrieval. This project enhanced data accessibility and facilitated efficient data management for analysis and decision-making.

EDUCATION

Advanced Certification in Business Intelligence and Data Analytics Nov '22 - Aug '23
IIIT Bangalore

Bachelor of Technology in Computer Science and Engineering Aug '17 - Aug '21
BBDEC Lucknow