Smit Shah

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SUMMARY

Data Analyst skilled in **data analysis (SQL), scientific programming (Python), data visualization (Tableau), and Python-driven solutions**, with a proven track record of collaborating across teams to solve business problems and deliver actionable insights from large datasets, enhancing decision-making and efficiency.

WORK EXPERIENCE

Data Analyst – Rebecca Everlence Trust, Chicago   August 2024 – Present

- Designed and built dynamic Tableau dashboards to identify top-performing products and under-performing regions through **year-over-year sales** and profit metrics analysis.
- Conducted deep dives into Customer Behavior trends and order distribution patterns, incorporating interactive **KPI** breakdowns that improved data transparency. These efforts enhanced decision-making processes by 25%, empowering stakeholders with actionable insights and data-driven strategies.

Data Engineer - AKS Infotech, New Jersey   March 2021 - December 2022

- Developed and executed **automated testing scripts**, ensuring 99% AWS service reliability across key services; as well as unit tests with **pytest**.
- Integrated **pytest** into the **CI/CD pipeline** to automate test execution, ensuring seamless deployment of data pipelines, while optimizing AWS infrastructure using **EC2, Athena, and S3**. This resulted in a 60% improvement in data processing workflows and a 50% reduction in processing time.
- Built and analyzed data models and **data pipelines** based on NY Taxi data (2020) consisting of **1 million**.
- Leveraged **S3** and the **Mage Data** Pipeline Tool to integrate data from multiple sources, achieving a 65% increase in data analysis through effective transformation and processing.

Cloud Data Analyst – AKS Infotech, New Jersey   May 2020 – March 2021

- Leveraged **SQL and Python** to analyze over **100K** records, ensuring optimal performance.
- Implemented **data partitioning and data modeling** to enhance accessibility, designing data-driven reports and dashboards in **Tableau**, which improved reporting efficiency by 55%.
- Analyzed **supply chain data**, and created data models to identify top-selling products, regional preferences, and production efficiency. Conducted **revenue analysis** based on sales, stock levels, manufacturing costs, and selling prices; providing **actionable insights** that improved data efficiency by 70%.

EDUCATION

MS in Information Technology - **University of Massachusetts, Boston**	May 2024
BE in Information Technology - **University of Mumbai, Mumbai**	May 2022

SKILLS

Programming Languages/Web:	SQL, Python, C, R, HTML, SAS, VBA.
Relational Database:	MySQL, SQLite, Oracle, Microsoft SQL Server, ETL.
Data Visualization/BI Tools:	Tableau, Power BI, Excel, Snowflake, DAX, Looker BigQuery.
Tools:	Amazon Web Services, Azure, GCP, Mage, JIRA, Git, Google Data Studio.

PROJECTS

Visualization on Job Salaries | Tableau   January 2024 – March 2024

- Created an **intuitive Tableau dashboard** that allows job seekers to filter salaries by location, job title, experience, and employment type which **improves user experience** and accessibility.
- Boosted user engagement and accessibility by 50% ensuring users access insights using their mobile devices and achieved a 95% satisfaction rate.

Virtual Shopping Assistant for Online Fashion Store | Paper | Github   June 2021 – April 2022

- Developed a **Sequential model** using Python libraries, including **NumPy, Pandas, TensorFlow, Keras, and NLTK**, for enhancing efficiency using **regression analysis**.
- Leveraged **Natural Language Processing** (NLP) and **Sequence-to-Sequence** (seq2seq) architectures to build a chatbot with **90%** **accuracy**, similar to automated online assistants.