

# Smit Shah

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## SUMMARY

**Data Analyst** with expertise in data analysis, validation techniques, reporting, and data visualization, proficient in **SQL, Tableau, and Python**. Experienced in collaborating across teams to solve complex business problems and deliver actionable insights from large datasets, enhancing decision-making and operational efficiency.

## WORK EXPERIENCE

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

- Executed manual and automated testing, ensuring 99% **AWS** service reliability across key services.
- Optimized AWS infrastructure and streamlined data pipelines, improving data processing workflows by 60% and a 50% reduction in processing time through enhanced resource allocation (**EC2, Athena, and S3**).
- Built and analyzed **data models** and **data pipelines** based on NY Taxi data (2020) consisting of 100K.
- Integrated data from different sources, stored in **S3**, and utilized the **Mage Data Pipeline Tool** for data transformation and processing, resulting in a 65% increase in data analysis.
- Enhanced and maintained interactive dashboards in **Tableau and Looker** improving reporting accuracy by 75% and efficiency by 40%.

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

- Leveraged **SQL and Python** to analyze over **1 million** records, ensuring optimal performance.
- Designed data-driven reports and dashboards in both **Tableau and PowerBI**, improving reporting efficiency by 55%, and enhancing data accessibility through **data partitioning and data modeling**.
- Analyzed **supply chain data**, and created data models to identify key metrics — 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 processing 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, Google Data Studio, Looker BigQuery.  
Tools: Amazon Web Services, Azure, GCP, Mage, JIRA, Git, Google Analytics.

## PROJECTS

**Visualization on Job Salaries | Tableau** January 2024 – March 2024

- Created an **intuitive dashboard** that allows job seekers to filter salaries by location, experience, and employment type which improves user experience and accessibility.
- Boosted **user engagement** by 40%, 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** June 2021 – April 2022

- Developed a **Sequential model** using Python libraries, including NumPy, Pandas, TensorFlow, Keras, and NLTK, for enhanced user interaction and efficiency by 45%, with expertise in **statistical modeling**, and **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.

## CERTIFICATIONS

Certification on Introduction to Data Analytics for Business June 2021

Certification on AWS Fundamentals: Going Cloud-Native June 2020