Swetha Naidu Sakhamuri

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EDUCATION

SUNY University at Buffalo Buffalo, NY
Master of Professional Studies - Data Science (Specialization in Statistical Analysis), GPA: 4.0 Aug 2023 – Dec 2024

Jawaharlal Nehru Technological Institute of Technology, Kakinada Guntur, India
Bachelor of Technology – Electronics & Communication; GPA: 8.6 Aug 2017 - May 2021

SKILLS

Programming: Python, R, XSLT, JavaScript, Java, MySQL, PostgreSQL, Google Big Query, MongoDB
Software: HTML/CSS, XML, Angular, AWS, Docker, Git, REST, IBM Sterling OMS, MS Office, Google Sheets
Frameworks: Numpy, Pandas, SkLearn, Spring, Tableau, JIRA, Agile, PySpark, PyTorch, TensorFlow
Data Science: Data Mining, Data Modeling, Data Wrangling, Data Visualization, Exploratory Data Analysis, A/B Testing
Courses: Statistical Data Mining, Cybersecurity Privacy & Ethics, Machine Learning, Data Structures and Algorithms

CERTIFICATIONS

- Google Data Analytics Professional Certificate.
- AWS Certified Cloud Practitioner (pursuing)
- Python Data Structures Certification by Coursera.
- Data Analyst Associate Certificate by Datacamp.

PROFESSIONAL EXPERIENCE

Infosys (Client: Alshaya, Supply Chain Management) | Data Analyst Oct 2021 - Jun 2023

- Spearheaded the data migration project from COMS to IBM Sterling OMS, a cloud-based order management system, ensuring 100% error-free integration and data consistency.
- Automated **SQL** scripts to generate critical business reports, streamlining the reporting process and reducing manual effort by **30**%, enabling faster access to actionable insights.
- Developed and maintained **Tableau** dashboards showcasing vital **supply chain** metrics (inventory turnover, order accuracy, lead time, supplier performance), providing actionable insights for decision-making.
- Led an **Automated** Data Migration Project for major brands like H&M and American Eagle, designing and executing scripts for a seamless migration, achieving **95**% data accuracy and reducing migration time by **40**%.
- Automated **data cleaning and transformation** with Java, reducing manual effort by 40% and ensuring 100% data consistency in pipelines; streamlined data loading into **IBM Sterling OMS** for reliable operations.
- Designed and implemented a dynamic appointment date selection feature for order processing, integrating multiple systems with **Java**, **XML**, and **XSLT**, and enhanced scheduling flexibility by **100**%.
- Conducted Root Cause Analysis and **QA Testing** across front-end and back-end systems, reducing recurring issues by **30%** and enhancing system stability, while meeting project timelines in an **Agile** environment.
- Earned **two** awards for executing a **100**% error-free data migration involving over **1 million** records, and for delivering exceptional production support that reduced system downtime by 30%

Infosys | System Engineer Intern Jul 2021 - Oct 2021

- **Developed a microservices-based capstone project** using Spring Boot, implementing stringent input validation, encryption, and security protocols, which mitigated system vulnerabilities by 30.
- **Collaborated in Agile teams**, participating in sprint planning and code reviews, which reduced production errors by 20% and streamlined development workflows, consistently meeting project deadlines.
- **Led comprehensive testing** and validation of API functionality using Postman, achieving 100% compliance with functional requirements and enhancing response accuracy by 10%, ensuring a flawless user experience.

PROJECTS

Insurance Database Management System: (MySQL, Python)

- Developed a centralized database using MySQL and Python, reducing data retrieval times by 25% and ensuring compliance with industry standards. Created 10 interactive Tableau visualizations analyzing 3 years of insurance data to identify trends, risks, and market opportunities for stakeholders.

Global Terrorism Analysis: (Tableau, R, Excel)

- Analyzed 47 years of terrorism data (1970–2017) across **177K** incidents, processing over **100K** records in **R (dplyr, tidyverse)** and visualizing in **Tableau** with heat maps, bubble charts, and bar graphs to reveal trends in attack types, affected regions, and temporal patterns