

SUSHMA REDDY V

📍 Dallas, TX | 📞 (940) 843-7126 | sushmavootla.1999@gmail.com | [LinkedIn](#)

EXPERIENCE

Data Analyst Intern

Aug 2024 - Dec 2024

Spesh Talent

Melissa, TX

- Built and maintained robust **ETL** pipelines using **Python (Pandas)**, **SQL**, and **DBT**, improving data processing efficiency by 25% and reducing job failures by 30%.
- Cleaned and validated multi-source datasets, resolving 90% of discrepancies and achieving 95%+ data accuracy through automated scripts and **root cause analysis**.
- Documented data transformations and lineage to ensure governance compliance and audit traceability across critical reporting pipelines.
- Created insightful **dashboards** and **visualizations** using Matplotlib and Seaborn, enhancing stakeholder decision-making speed by 15%.

Software Engineer (Full-Time)

Mar 2021 - Jun 2023

Cognizant

Hyderabad, India

- Designed and optimized **Java 8+ Spring Boot microservices** and REST/SOAP APIs, enhancing performance and reducing response time by **25%**; implemented **Selenium-based unit and integration tests** to achieve high code coverage and early defect detection.
- Developed and tested **RESTful API** integrations using **SoapUI** to validate **HTTP** requests and responses, into automation pipelines, automating endpoint verification for faster regression cycles.
- Streamlined development workflows by efficiently using **Eclipse** (IDE), **Maven** (build automation), and **Git** (source control), improving code quality and accelerating release cycles across dev, QA, and production environments.
- Configured proactive monitoring and alerting systems in **ServiceNow** and **Dynatrace**, identifying performance bottlenecks early and reducing MTTR by 15%; built deployment validation utilities and executed **security upgrades (JAR, patching)** to maintain 100% compliance and zero-defect releases.
- Built automation utilities for deployment validation and executed security upgrades (**JAR, version updates, patching**), achieving zero-defect production releases and maintaining 100% security compliance.
- Integrated **CI/CD pipelines** (Jenkins, Maven, Git) with automated testing and validation scripts, ensuring consistent, defect-free builds across environments.
- Integrated REST API validation (Postman collections, REST Assured) Validated SOAP and REST APIs (JSON, XML) through automated scripts, ensuring accuracy of request/response payloads and schema compliance.

Data Analyst

May 2020 - Feb 2021

HRH Next

Hyderabad, India

- Designed and optimized scalable data pipelines consolidating multi-source datasets (CRM, operational dashboards, speech analytics) using SQL and Python (Pandas, NumPy), improving data accuracy and reducing manual reporting by 20%.
- Developed automated KPI monitoring tools in Power BI with DAX measures, scheduled refresh, and data modeling, enabling real-time SLA tracking and performance visibility for cross-functional teams.
- Performed root cause and trend analysis on operational metrics using **SQL and Python**, identifying process inefficiencies that reduced average handling time by 12%.
- Integrated early cloud-hosted data sources into analytics workflows, enhancing scalability and streamlining access to large datasets.
- Implemented structured testing strategies (unit, integration, regression, performance) for analytics workflows, validating data integrity and system performance prior to deployment.
- Managed bug lifecycle and defect resolution in **JIRA** (triage, root cause analysis, fix verification), resolving issues quickly and maintaining release quality.

EDUCATION

The University of Texas at Dallas - Naveen Jindal School of Management

Aug 2023 - May 2025

Master of Science in Business Analytics and Artificial Intelligence

GPA: 3.72

Coursework: *Econometrics and Time Series, Predictive and Prescriptive Analysis, Data Visualization, Python Programming, Databases (SQL & NoSQL), Data Warehousing, Analytics With R, Big Data and Cloud Platforms (AWS, GCP)*

SKILLS

- Programming Languages:** Java, SQL, Python, R (basic), Shell Scripting
- Frameworks & Tools:** Spring Boot, REST APIs, JUnit, Maven, Git
- Databases:** MySQL, SQL Server, MongoDB, Oracle (familiar)
- Cloud & Infrastructure:** AWS (EC2, S3, Lambda), Unix/Linux, Windows, CI/CD, ServiceNow, Putty, WinSCP
- Testing & Logging:** SoapUI, SLF4J, Log4j
- Data Analytics & Visualization:** Tableau, Power BI, Matplotlib, Seaborn, Excel (Pivot Tables, VLOOKUP)
- Development Practices:** Agile, Scrum, Full SDLC, UAT, Production Support, Change Management

ACADEMIC PROJECTS

Courier Service Data Analytics Project | *SQL, Python (Pandas), MySQL, Tableau*

- Modeled and optimized multi-relational **SQL** databases to analyze courier behavior, product demand, and user actions, ensuring **traceability**, **performance**, and **consistency** across flows using domain-driven design.
- Applied SQL for data curation and feature engineering; visualized insights in **Tableau** and collaborated cross-functionally to enhance delivery efficiency, customer engagement, and **data quality**.

AWS Cloud Data Engineering & Analytics Pipeline -<https://sushmareddy358.github.io/aws-capstone/>

- Designed and deployed an AWS cloud-native data pipeline (S3, Glue, Athena, Redshift, Step Functions, Lambda) to automate ETL and analytics workflows, enabling secure, scalable, and testable data processing.
- Automated data validation, schema evolution, and performance tuning via Glue Crawlers, Athena queries, and QuickSight dashboards-improving pipeline reliability and ensuring CI/CD-ready, maintainable solutions aligned with SDLC best practices.