

SEJAL SARDAL

Hopkinton, MA (Open for Relocation) | j.sejals26@gmail.com |

LinkedIn: <https://www.linkedin.com/in/sejal-sardal/> | Portfolio: <https://sejalds.github.io/portfolio/>

EDUCATION

Syracuse University School of Information Studies Master of Science Information Systems and Data Science, GPA: 3.7 <i>Relevant Coursework: Database Management, Data Modeling, Data Visualization, Supply Chain, Cloud Management, Data Warehousing</i>	May 2025 Syracuse, NY
Mumbai University Vidyalkar Institute of Technology Bachelor of Engineering in Electronics Engineering	October 2020 Mumbai, India

CERTIFICATIONS

• AWS Certified Cloud Practitioner Link	May 2025
• Microsoft Certified Office Specialist: Excel Associate Link	April 2025
• Tableau Certified Desktop Specialist Link	July 2024

TECHNICAL SKILLS

Programming Languages: Python, R, SQL	Tools & Technologies: Excel (Pivot Tables, Advanced Functions), Jupyter Notebook, GitHub, Jira
Frameworks & Libraries: Pandas, GeoPandas, DAX, VBA, Macros	Databases: AWS Redshift, PostgreSQL, MySQL, Oracle
Visualization: Tableau, Power BI, Amazon Quicksight	
Cloud Platforms: AWS (S3, EC2, Lambda, Athena), Snowflake	

WORK EXPERIENCE

Zycus Infotech Senior Business Analyst - (Procurement)	July 2022 – June 2023 Mumbai, India
<ul style="list-style-type: none">Redesigned SQL and Python based ETL pipelines in AWS Redshift for procurement analytics, improving query performance by 60% and accelerating insights on 100k+ weekly records.Created high-performance SQL queries in Redshift to support executive dashboards, reducing dashboard load time by 65%.Designed Tableau dashboards visualizing financial KPIs for procurement leads, reducing ad hoc requests by 40% and supporting \$1M+ annual vendor spend management.Automated ingestion of Excel/CSV reports into Redshift via Python, cutting manual work by 80% and accelerating monthly vendor reconciliation for 15+ clients.	
Business Analyst - (Procurement)	February 2021 – June 2022
<ul style="list-style-type: none">Performed ad-hoc analysis and developed self-service reporting tool using SQL and Tableau, decreasing dependency on manual queries by 50% and enhancing procurement insights.Led Tableau dashboard training for 20+ procurement and finance stakeholders, increasing self-serve analytics adoption and reducing support requests by 50%, saving ~15 hours/month in analyst time.Collaborated with Engineering and Product teams to define and standardize company-wide metric, improving reporting consistency.Automated Excel-based analysis of 500+ Salesforce tickets monthly for MBRs, reducing report turnaround from 6 to 1 hour and improving issue resolution speed for the operations team.	
Daxy - The Digital Taxi Business Intelligence Analyst Intern	March 2020 – January 2021 Mumbai, India
<ul style="list-style-type: none">Built Power BI dashboards using DAX to visualize logistics KPIs enabling faster root cause identification and operational improvements.Processed GPS data to enable map-based visualizations in Power BI, enhancing delivery route analysis and regional performance tracking.Built regression models in R to identify logistics bottlenecks, enabling optimization of delivery workflows and reducing average delays from 4 to 2 days across 3 service regions.	

PROJECTS

Energy Demand Forecasting and Management (R, RStudio, Modeling Techniques) GitHub Repo	February 2024 – April 2024
<ul style="list-style-type: none">Integrated and preprocessed multi-source datasets (weather, usage, building data) to build a unified modeling dataset for 5,000+ homes.Conducted EDA using ggplot and correlation matrices; uncovered climate zone and building vintage as key predictors of high energy usage.Built a linear regression model ($R^2 = 0.87$) to predict peak demand which supported in building energy management strategies.	
ETL Pipeline on YouTube Trending Data (Glue, Lambda, Athena, S3, Quicksight, Python) GitHub Repo	April 2025 – May 2025
<ul style="list-style-type: none">Built an ETL pipeline using Glue, Lambda, & Athena to transform CSV & JSON data from S3 into Parquet, optimizing for SQL based analytics.Automated data transformation and using Glue Crawlers, Spark Jobs, and Data Wrangler in Lambda, enabling real-time processing.Visualized key trends (views, likes, engagement) in QuickSight dashboards for business decision-makers and role-based access in IAM.	
NYC Traffic Collision and Demographic Insights(Python, Pandas, GeoPandas, Jupyter) GitHub Repo	June 2024
<ul style="list-style-type: none">Analyzed 2M+ traffic collision records to identify high-risk zones, time-based patterns, and demographic disparities.Developed visualizations using scatterplots, distribution, lineplot to support stakeholders in predicting peak collision times and risk levels.	

LEADERSHIP & INVOLVEMENT

Zycus Infotech, Senior Business Analyst	May 2023
Led a Tableau workshop for 20+ business stakeholders, covering dashboard navigation and KPI tracking, reducing reduced ad hoc reporting requests by 40%.	