SEJAL SARDAL

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SUMMARY

Data enthusiast with 2.5+ years of experience solving business problems through data. Skilled in Python, SQL, and cloud-based tools like AWS and Snowflake, with hands-on experience in building ETL pipelines, performing exploratory analysis, and developing predictive models. Passionate about uncovering patterns in complex datasets and converting them into impactful, data-driven decisions.

EDUCATION

Syracuse University | School of Information Studies,   **Syracuse, NY**
Master of Science Information Systems and Data Science, GPA: 3.7   *May 2025*
Relevant Coursework: Data Science, Information System Analysis, Database Management, Data Visualization, Scripting, Cloud Management, Data Warehousing, Project Management

Mumbai University | Vidyalankar Institute of Technology   **Mumbai, India**
Bachelor of Engineering in Electronics Engineering   *October 2020*

SKILLS

- Languages & Querying: Python, SQL, R
- Data Analysis & Modeling: Pandas, NumPy, GeoPandas, matplotlib, seaborn
- Machine Learning & Statistical Tools: Regression, classification, A/B testing, time-series analysis
- Cloud & Data Tools: AWS (S3, Lambda, Glue, Athena, SageMaker, Redshift), Snowflake, Databricks, dbt
- ETL & Data Engineering: AWS Glue, Alteryx, Spark, dbt, Power Query
- Visualization: Tableau, Power BI, AWS QuickSight, Excel (Pivot Tables, VBA, Macros)
- Tools & Version Control: GitHub, Jupyter Notebook, Jira

EXPERIENCE

Zycus Infotech   **Mumbai, India**
Senior Business Analyst   *June 2022 – June 2023*
- **Reduced PR-to-PO latency from 3 days to 1 day** by analyzing workflow data using **SQL** and **Tableau**, enabling process improvement across **7 business units**.
- Automated financial **KPI** tracking (gross profit margin, supplier performance) using dashboards in Tableau, cutting manual reporting effort by 40%.
- **Contributed to achieving a 90% same-day approval rate** during an eProcurement rollout by coordinating with cross-functional teams, implementing validation checks, and leading targeted user training for business users.
- Led **SaaS product deployment** across **5 org units in 1 quarter**, managing **data migration** and post-go-live issue resolution with minimal downtime.

Business Analyst   *February 2021 – June 2022*
- **Reduced supplier onboarding time by 50%** by optimizing SAP integration and resolving support tickets through **Salesforce**.
- Led **stakeholder training** during system rollouts by creating user guides and role specific sessions, resulting in **25% drop in support escalations**.
- Conducted **A/B testing** on PR/PO workflows to evaluate user behavior and optimize system configuration, resulting in fewer change requests.
- Facilitated **sprint planning** and stakeholder syncs to improve project delivery speed and scope clarity.

PROJECTS

ETL Pipeline on YouTube Trending Data using AWS & Python (Glue, Lambda, Athena, S3, Quicksight) 🔗 GitHub Repo   *April 2025 – May 2025*
- Built an ETL pipeline using **AWS Glue, Lambda, and Athena** to transform CSV & JSON data from S3 into Parquet, optimizing for SQL based analytics.
- Automated data transformation and cataloging 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.

Harmony Hub – Music Streaming Data Warehouse **(**SQL, Snowflake, Power BI**)** 🔗 GitHub Repo   *January 2025 – April 2025*
- Created a scalable ELT pipeline and a star schema in Snowflake to integrate and transform 10K+ music streaming and user engagement records.
- Optimized SQL scripts for data cleansing, joining tables, resulting in a **30%** improvement in query performance across key metrics.
- Created Power BI dashboards tracking genre trends, artist performance, and user engagement by region and age.

NYC Traffic Collision and Demographic Insights(Python, Pandas, GeoPandas, Jupyter) 🔗 GitHub Repo   *August 2024 – December 2024*
- Analyzed 2M+ traffic collision records to identify high-risk zones, time-based patterns, and demographic disparities.
- Cleaned and validated data using Pandas; used GeoPandas and time-series trends to inform urban safety and planning decisions.
- Created visualizations to support stakeholders in understanding peak collision times and neighborhood-level risk.

Energy Demand Forecasting and Management (R, RStudio, Modeling Techniques) 🔗 GitHub Repo   *January 2024 – April 2024*
- 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 forecast peak demand and inform energy management strategies.

CERTIFICATIONS

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