Naveen Saragadam

Tucson, Arizona

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Summary

Data engineer with 2.5+ years of experience building terabyte-scale data pipelines and analytics solutions across retail and automotive industries. Proficient in SQL, Python, PySpark, ETL/ELT processes, and cloud platforms (Azure, Databricks, Snowflake). Demonstrated success in data migration, workflow optimization, and governance implementation with 99% accuracy. Skilled in transforming business requirements into efficient data solutions that drive measurable outcomes and cost savings

Skills

Programming:	SQL, Python 3.x, PySpark, SparkSQL
Data Engineering:	Data Pipelines, Data Modeling, Data Warehousing, Relational Databases
Big Data Tools:	Apache Spark, Hadoop, Hive, Trino
Cloud Technologies:	Azure Synapse Analytics, Azure Data Lake Storage (ADLS Gen2), Databricks, Snowflake
Orchestration:	Airflow, Azure Data Factory
Other Tools:	Git, GitHub, Docker, Power BI, Tableau

Work Experience

University of Arizona — Sep 2024 – Jan 2025
Graduate Teaching Assistant — Tucson, AZ

- Reduced environment setup time by **70**% by configuring Windows Subsystem for Linux (WSL) for Chipyard environment (RISC-V-based hardware design platform), eliminating compatibility issues for hardware testing
- Enabled successful execution of **10+** Rocket SoC chip projects by optimizing Chipyard environment setup, allowing **40+** students to efficiently run and test their code

Target — Apr 2023 – Jun 2024
Data Analyst — Bangalore, India

- Accelerated data processing for **$7.5B** clearance pricing decisions by migrating and optimizing terabyte-scale legacy Hadoop ETL pipelines to Big Red3 cluster using PySpark/SQL, reducing latency **30**% (from **8** hrs to **5.5** hrs) for **1B+** weekly records
- Championed data governance with **99**% accuracy while ensuring compliance with Target's data privacy policies through automated validation checks and notifications for data outliers, null-value handling, and deduplication
- Enhanced decision-making capabilities for **230+** Strategy/Operations users by designing and deploying **5+** interactive reports within the Clearance Insights dashboard, delivering critical business metrics in an accessible format
- Maintained **99**% SLA adherence by providing Tier-2 on-call support to swiftly identify and resolve data discrepancies, ensuring continuous data availability for business operations

EXL Service (General Motors/ACDelco) — Nov 2021 – Apr 2023
Business Analyst (Data Engineer Focus) | Data Engineer — Bangalore, India

- Improved data accessibility and decision-making efficiency by designing a pipeline to process and consolidate **80GB**/week of parts return data from SharePoint (via SharePlum) and GM systems, transforming **5** fragmented reports into a single source of truth for ACDelco Parts Workflows
- Generated $**40M** annual savings through revenue protection and reduced resolution times by implementing decision-tree logic in the ACDelco parts workflow to streamline recovery processes
- Developed web scrapers using Selenium and Beautiful Soup to extract auto parts pricing data from Amazon, O'Reilly, and **3+** suppliers, enabling real-time competitor benchmarking and data-driven pricing strategy evaluation for General Motors

Certifications

Microsoft: Azure Data Fundamentals (DP-900)	Obtained: Jan 2021
Microsoft: Azure Data Engineer Associate (DP-203)	Obtained: Mar 2025 | Expires: Apr 2026

Awards & Extracurricular

- Won First Place in the Target Merchandising Analytics Ideathon for an idea that had an impact of **$168M** annually for Target
- Key member of "AoA" Club at Target, organizing engaging events for 50+ members that improved interdepartmental collaboration and workplace culture
- Spearheaded AI/ML branch activities for the CC Club at Bharath University, managing multiple student projects and organizing technical workshops to drive innovation in Artificial Intelligence and Machine Learning

Education

University of Arizona — GPA: 3.8 — Expected: May 2025
Master of Science in Information Science: Machine Learning — Tucson, AZ

Bharath University — Jul 2017 – May 2021
Bachelor of Technology in Computer Science & Engineering — Chennai, India

Work Authorization

Authorized to work in the U.S., STEM OPT-eligible — Earliest OPT start: Jun 2025