

TUSHAR

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EDUCATION

Pennsylvania State University

Pennsylvania, United States

Master of Data Analytics, GPA: 3.96/4

Aug 2025 – Dec 2026

Statistical Analysis, Data-Driven Decision Making, Predictive Analytics, Deep Learning, Natural Language Processing.

EXPERIENCE

Barton Malow

May 2026 – Aug 2026

Intern - Data Science

Michigan, United States

- **Built a Databricks Cost Analytics pipeline** and 4-tab leadership dashboard from Unity Catalog billing/compute data, surfacing \$142K in lifetime spend and \$13.2K in idle resource cost across 885 unused objects; automated an ownership-resolution hierarchy across 933 resources that cut the unowned-spend gap from 85.6% to 54%.
- **Designed a Claude AI cost-attribution dashboard** isolating agent query costs from shared Databricks serverless compute (20+ users, 8,000+ queries), revealing a 5.5x growth in AI's share of warehouse spend (1.5% to 8.3%) in 5 months and giving leadership real-time cost visibility.
- **Engineered a 197-rule automated data quality framework** across 23 production tables in a \$159B CRM pipeline, achieving 100% clean execution while using DQX's AI-driven profiler to accelerate future rule generation.
- **Skills:** Databricks, Claude code, Claude Skills, Github, Jira, Python, SQL.

Pennsylvania State University

Sep 2025 – May 2026

Research Assistant - Data Science

Pennsylvania, United States

- **Developed Linear Regression models** on historical attendance data, achieving 92% accuracy and enabling data-driven vendor allocation and capacity planning.
- **Reduced event planning timeline** by 83% (from 12 to 2 months) by building data-driven workflows, dashboards, and scenario simulations that aligned stakeholders on constraints and priorities.
- **Prototyped autonomous AI agents** for continuous auditing and ethical compliance, integrating WORM-based audit trails, ontology-driven fairness checks, and cybersecurity safeguards aligned with ISO/IEC 42001 standards.
- **Skills:** Statistical Modeling, Attendance Forecasting, Agentic AI, Multi-Agent Systems, Python, SQL.

Oracle Corporation

Feb 2022 – Dec 2024

Staff Data Consultant

Bangalore, India

- **Validated end-to-end billing data** pipelines for 600K+ telecom subscribers using SQL-driven data quality checks, anomaly detection rules, and reconciliation reports, ensuring 98%+ accuracy within SLAs.
- **Built and automated KPI dashboards** (churn, usage patterns) with 99% on-time delivery, enabling leadership to track performance and make data-driven decisions in weekly reviews.
- **Led onsite test efforts**, coordinating with offshore analytics teams to deliver data-backed readiness dashboards that supported a successful, on-time go-live.
- **Skills:** Oracle Database, Data Analysis, Analytical Skills, Business Analysis, Strategic Communications.

Accenture Solutions Pvt Ltd

Jun 2019 – Feb 2022

Data Consultant

Pune, India

- **Identified and resolved** 50+ recurring data quality issues in production billing datasets for 4.5M customers, improving billing accuracy and customer trust.
- **Automated batch bill-run workflows** using SQL scripts and scheduling, reducing processing time from 1 day to 2 hours (90x faster) and manual effort by 92%.
- **Designed a SQL-based data validation framework** (row-level checks, reconciliation, exception flags) that reduced discrepancies by 60% and shortened month-end close by 10%.
- **Skills:** SQL, Shell scripting, Excel, Client communication.

TECHNICAL SKILLS

Programming: Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn, TensorFlow, Keras), SQL, R, Java.

Machine Learning & Statistical Techniques: Regression, Classification, Clustering, NLP, Time Series Forecasting, Feature Engineering, Model Evaluation (AUC, F1).

Data Tools & Cloud: Databricks, Tableau, Advanced Excel, AWS, Oracle Database, PL/SQL, Github.

AI Tools: ChatGPT, Julius AI, Cursor IDE, Perplexity AI, Claude Code, GitHub MCP, Claude Skills.