

Aryan Meena

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SUMMARY

Data Analyst with an M.S. in Applied Data Analytics who turns messy, multi-source data into reporting, dashboards and statistical insight people can decide from. I've owned the full path from gathering stakeholder requirements through cleaning millions of records to shipping self-service dashboards. I work day to day in SQL, Python, Power BI and Tableau across finance, healthcare and e-commerce, with machine learning as a technical backbone rather than the headline.

EXPERIENCE

Unified Mentor — Data Analyst Intern

Remote • Oct 2024 – Jan 2025

Stack: SQL • Python • Tableau • Power BI

- Gathered reporting requirements from product and operations stakeholders, then wrote and tuned SQL to pull, join and clean 4.5M+ transactional records, resolving nulls, duplicates and schema inconsistencies.
- Owned the recurring reporting cadence and automated it, cutting manual reporting effort by an estimated 40%.
- Designed self-service Tableau and Power BI dashboards covering revenue, retention and supplier performance across five suppliers, analyzing \$577K in revenue across 4.9K orders so teams could answer their own questions.
- Built predictive models to support the reporting, including a fraud classifier at 0.96 precision and 0.80 recall across 284K transactions and a demand forecaster at 8.4% MAPE.

Boston University — Research Assistant, Quantitative Research

Boston, MA • Sep 2025 – May 2026

Stack: Python • pandas • statsmodels • Seaborn

- Sourced, cleaned and validated 15 years of daily market data across six correlated forex pairs, building the reusable Python modules the analysis ran on.
- Built a 24-rotation intraday strategy whose top rotation returned 219% against a 22% buy-and-hold benchmark at a 1.06 Sharpe in backtesting, then stress-tested it across transaction-cost regimes with ANOVA and hypothesis testing to rule out noise.
- Documented the methodology in a co-authored manuscript now under review at *Traders Magazine*.

Indian Space Research Organisation (ISRO) — Machine Learning Research Intern

Ahmedabad, India • Jun 2022 – Aug 2022

Stack: Python • PyTorch • Docker

- Analyzed multi-spectral satellite imagery with a transfer-learning model and turned it into a Dockerized inference pipeline that cut manual annotation effort by an estimated 60%, a tool the research team went on to adopt.

PROJECTS

RetailPulse — E-Commerce Analytics | PostgreSQL • SQL • Power BI • DAX

[GitHub](#) • [Dashboard](#)

- Modeled a 9-table, 100K-order e-commerce dataset into a PostgreSQL star schema, wrote the analytical SQL behind it (window functions, CTEs, cohort retention, RFM segmentation) and built a Power BI model with DAX measures. The clearest finding: late deliveries dragged review scores from 4.29 down to 2.57 stars.

Hospital Readmission Prediction | scikit-learn • SHAP • SMOTE

[GitHub](#)

- Ran EDA on 30K discharge records with a heavy 7:1 class imbalance and tuned the decision around recall rather than raw accuracy, since a missed readmission costs far more than a false alarm; used SHAP to explain the drivers and built a cost-benefit model projecting \$1.77M in annual savings per hospital.

Learning Difficulty Analysis — NHIS 2024 | R • caret • XGBoost

[GitHub](#)

- Analyzed National Health Interview Survey data to identify drivers of learning difficulty, benchmarking 36 models across 9 algorithms in R with cross-validation; XGBoost performed best, and the feature importances pointed to the socioeconomic and health factors that mattered most.

PUBLICATIONS & AWARDS

- Meena, A., Patel, K., Alizadeh-Shabdiz, F.** *WikiFlow: Predicting Wikipedia Editor Dropout at Scale Using Distributed Machine Learning on Google Cloud*. EAI CSECS 2026, Springer LNICST (accepted). 60M events, 1.16M editors on GCP Dataproc. [GitHub](#) • [Paper](#)
- MedAI Hackathon — 3rd of 40+ teams** (2026): 3D medical-imaging regression pipeline; test MAE 12.67 CL (r = 0.968). [GitHub](#)
- Meena, A., et al. *Accelerated CNN Training with Genetic Algorithm Optimization*, IEEE IATMSI 2024 • *Enhanced Scene Text Recognition for Accessibility*, ICADIE (Springer) 2024.

EDUCATION

Boston University, Metropolitan College — M.S., Applied Data Analytics | GPA: 3.75/4.0

Boston, MA • Jan 2025 – May 2026

Coursework: Big Data Analytics, Data Mining, Data Science with Python, Web Mining & Graph Analytics, Advanced Machine Learning

Teaching Assistant: MET CS 767 (Advanced ML) & MET CS 577 (Data Science with Python), Jan–May 2026; supported 60+ graduate students.

Indian Institute of Space Science & Technology — B.Tech., Electronics & Communication

Kerala, India • Aug 2019 – May 2023

Coursework: Machine Learning for Signal Processing, Probability & Statistics, Computer Vision

TECHNICAL SKILLS

Languages & Query: SQL, Python, R, Excel

BI & Visualization: Power BI, DAX, Tableau, dashboard design

Analytics & Statistics: EDA, KPI design, cohort analysis, RFM analysis, hypothesis testing, A/B testing, regression, time-series analysis

Data & Cloud: PostgreSQL, PySpark, BigQuery, AWS (S3, Glue, Athena), scikit-learn, XGBoost, Git