

Aditya Aryan

New York City, NY, 10010

+1 (716) 697-7737 | adityaaryan541@gmail.com | [LinkedIn](#) | [GitHub](#)

SUMMARY

Analytics professional with a Master's in Data Science and 3+ years across BI and data engineering. Build governed pipelines in dbt, BigQuery, and GCP, then turn them into Power BI and SQL reporting leadership acts on. Drove a 65 percent rise in dashboard adoption, cut reporting cycles 40 percent, and lifted source reliability to 95 percent.

TECHNICAL & OTHER SKILLS

Languages: SQL, Python (pandas, NumPy, scikit-learn), R, DAX, Power Query, Git

Analytics & Reporting: Power BI, Tableau, Excel, Microsoft Fabric, KPI Dashboards, Data Storytelling, Executive Reporting

Statistical Methods: Regression, Time-Series/Forecasting, A/B Testing, Cohort/Retention, Segmentation, Feature Engineering, EDA

Data Operations: ETL/ELT, dbt, Airflow, Spark, Dimensional/Star-Schema Modeling, Warehousing, Cleansing, Validation, Governance

Platforms & Databases: BigQuery, Snowflake, GCP/AWS, PostgreSQL, MySQL, SQL Server, LLMs, RAG, Vector DBs

WORK EXPERIENCE

Nissha Medical Technologies — Data Analytics & Computer Vision Capstone

Buffalo, New York | May 2025 – Dec 2025

- Designed automated testing routines in Python with pandas and NumPy across the image-processing capstone, lowering manual production review effort by 35 percent across successive validation phases.
- Investigated 4,500+ manufacturing logs through EDA and statistical analysis, raising variance tracking consistency by 27 percent across factory reporting.
- Engineered anomaly-filtering logic with feature engineering and model checks against scikit-learn baselines, strengthening pipeline stability and removing recurring calculation faults across nightly batches.
- Implemented monitoring triggers on yield variables tracked as KPIs, shortening factory inspection cycles by 31 percent through real-time data streaming.
- Validated preprocessing routines under Git version control, decreasing false-positive anomaly flags by 18 percent across controlled production test runs.

Constituents AI & Technology — Data Analyst, Business Operations & Reporting

Remote | Mar 2024 – Jul 2024

- Developed 10+ Power BI dashboards with DAX and Power Query, merging marketing and operational clusters and expanding self-service usage by 65 percent.
- Mined 1.2M+ transaction records via SQL on PostgreSQL, running cohort and retention analysis that lifted conversions by 12 percent across segments.
- Modeled subscriber shifts through time-series forecasting on PostgreSQL history, giving leadership predictive planning views that lifted quarterly forecast accuracy by 20 percent across product lines.
- Standardized metric definitions and ran A/B testing with segmentation logic, cutting review prep timelines 40 percent and data entry errors 90 percent.
- Facilitated requirements gathering with stakeholder management, aligning raw operational metrics against structured RDBMS schemas for reliable reporting.

Google — Data Analytics & Reporting Specialist

Remote | Jun 2022 – Mar 2024

- Consolidated reporting assets in Power BI and Excel across 10+ business units, shrinking manual spreadsheet work by 40 percent for leadership reviews.
- Optimized BigQuery and Spark transformation jobs feeding daily reporting, tuning partitioned query logic to stabilize production loads across dozens of migrated finance sources during platform migration.
- Automated reconciliation checks enforcing data quality and governance across warehouse layers, flagging schema drift early to protect reporting integrity through successive platform transitions and source cutovers.
- Translated raw operational feeds into governed warehouse tables using dimensional modeling, documenting column-level lineage back to validated upstream finance source systems for downstream audit traceability.
- Produced standardized reporting packages from reconciled MySQL datasets, giving stakeholders consistent month-over-month figures cutting historical gaps 95 percent.

EDUCATION

State University of New York at Buffalo — Master of Professional Studies in Data Science & Applications, 3.5 GPA

Aug 2024 – Dec 2025

Relevant Coursework: Business Analytics, Data Visualization, Predictive Analytics, Reporting Automation, Cloud Analytics, BigQuery, Tableau, DAX, Microsoft Fabric

PROJECTS

NYC Subway Reliability Pipeline | Python, BigQuery, dbt, Google Cloud Platform

Aug 2026 – Present

- Built an end-to-end dbt pipeline on GCP, ingesting eight real-time MTA feeds every 30 seconds into BigQuery to derive actual arrivals from vanishing predictions.
- Delivered excess wait time using star-schema tables, then ran a weather regression quantifying rain's measured effect on rider wait with confidence intervals.