

DHRUV JANI

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Summary

Analytical professional with an M.S. in Operations Research, experienced in data analysis, forecasting support, and building structured reporting workflows. Strong background in SQL, Excel, and statistical analysis to identify trends, validate datasets, and support model-driven decision-making. Proven ability to synthesize multi-source data into clear insights and communicate findings to stakeholders in fast-paced, data-driven environments.

Education

Columbia University, MS in Operations Research & Analytics – New York, NY Sept 2023 – Dec 2024

- Discrete Optimization, Statistical Modeling, Data Science, Simulation, Financial Econometrics, Stochastic Processes, Risk Management, Capital Markets

University of California, BS in Mathematical Analytics & Statistics – Davis, CA Sept 2019 – July 2023

- Applied Linear Algebra, Time-Series Analysis, Business Analytics, Quantitative Finance & Deep Learning

Experience

Data-Driven Math Instructor, BX Math Preparatory High School – New York, NY Feb 2026 – present

- Analyzed student performance across 20+ weekly sessions, identifying recurring error patterns in algebra, probability, and quantitative reasoning.
- Designed targeted problem-solving strategies based on performance trends, improving student accuracy and completion speed by ~60%.
- Tracked individual progress over time and iteratively refined instructional approaches using performance feedback.
- Managed multiple concurrent sessions, prioritizing interventions based on learning gaps and time constraints.

Analyst, Storied Data – New York, NY Aug 2025 – Feb 2026

- Extracted and transformed financial and operational datasets using SQL and Excel to support structured reporting and downstream analysis.
- Built Excel-based dashboards and automated workflows to track trends, monitor inconsistencies, and improve reporting efficiency.
- Performed data validation and reconciliation across multiple data sources, ensuring high data accuracy for business reporting.
- Conducted ad-hoc analyses to identify performance trends and anomalies, translating findings into actionable insights for stakeholders.
- Partnered with stakeholders to define reporting requirements and deliver tailored analytical outputs aligned with business needs.

Summer Analyst, Numeraxial – New York, NY June 2025 – Aug 2025

- Analyzed financial datasets to identify performance trends and risk drivers using structured analytical frameworks.
- Conducted scenario and sensitivity analyses to evaluate outcomes under varying assumptions, supporting decision-making processes.
- Built summary reports synthesizing complex data into clear narratives for portfolio-level insights.
- Worked with multi-source datasets, ensuring consistency and alignment across inputs used in analysis.

Data Science Intern, New York Genome Center (NYGC) – New York, NY June 2024 – Aug 2024

- Built automated data validation workflows to ensure integrity across large-scale datasets used in downstream analysis.
- Applied statistical techniques to detect anomalies and improve reliability of analytical outputs.
- Structured and cleaned raw datasets to support consistent reporting and analysis across teams.

Intern, Apple – Mountain View, CA June 2022 – Aug 2022

- Analyzed large-scale operational datasets to identify discrepancies and improve data quality.
- Designed automated reporting pipelines to standardize tracking of key performance metrics.

Research

Graduate Research Assistant, Columbia University Irving Medical Center – New York, NY Feb 2025 – June 2025

- Designed data preprocessing pipelines to standardize datasets for analysis across research and reporting use cases.
- Automated verification and reporting processes to improve consistency and reduce manual validation effort.
- Communicated findings to cross-functional stakeholders through structured summaries and reporting outputs.

Skills

Analytical: Data Cleaning & Preprocessing, Data Validation, Statistical Analysis (Regression, Anomaly Detection), Exploratory Data Analysis

Tools & Software: Excel (Advanced Formulas, Pivot Tables), SQL, Power BI, Tableau, SSRS Report Builder

Programming & Data Analysis: Python, R, MATLAB, Data Cleaning & Visualization

Project & Stakeholder Management: Workflow Optimization, Cross-functional Collaboration, Executive Reporting

Projects

Budget & Forecast Reporting Dashboards

- Built Excel and BI dashboards to track actual vs. forecasted metrics, identify discrepancies, and support structured reporting workflows.

Market Impact Modeling & Quantitative Analysis

- Developed regression-based models to analyze trends and relationships in financial data, supporting data-driven decision-making.

Alpha Research & Portfolio Optimization

- Performed multi-factor analysis combining diverse datasets to identify trends and generate actionable insights.