

Dhruv Shah

Data Analyst | Business Intelligence

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GitHub: github.com/DhruvShah-Dev

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Experience

Android App Development Intern | Uplifty AI

Feb 2026 - Apr 2026

- Modeled relational datasets for completion records, reward transactions, and user achievements across **10+ product components**, creating structured data for reporting and downstream analysis.
- Improved business-rule consistency and reduced duplicate validation logic by **25%** by developing reusable workflows for reward eligibility, verification checks, and activity-based rules.
- Translated product and operational requirements into validated data structures for achievement and rewards tracking, improving consistency across user activity and reporting workflows.

Research Assistant | Binghamton University

Sept 2025 - Jan 2026

- Reduced manual analysis time by **30%** by developing Python ETL pipelines to ingest, clean, transform, and validate large-scale research datasets for repeatable analysis and reporting.
- Improved experimentation cycle time by **20%** by building configurable analytics modules with parameterized weighting logic, standardized preprocessing, and automated data-quality checks.
- Developed analytical workflows and visualizations to identify trends, compare experimental results, investigate data inconsistencies, and communicate findings for stakeholder review.

Software Engineering and Data Intern | Global Health Impact

May 2025 - Sept 2025

- Reduced manual data processing by **30%** by developing Python ETL pipelines to ingest, clean, transform, validate, and standardize multi-sheet WHO datasets for downstream analysis.
- Analyzed DALYs, treatment coverage, drug efficacy, and country-level health indicators to identify trends and support quantitative comparisons across healthcare datasets.
- Improved analytical reproducibility by standardizing spreadsheet-to-Python workflows for impact-score calculations, data validation, transformation, research reporting, and stakeholder review.

Data Analyst | R&P Consultants

Apr 2023 - Apr 2024

- Automated recurring production and inventory reporting by writing **MySQL queries** and developing Python and Excel workflows for data extraction, transformation, and weekly operational reporting.
- Cleaned, validated, transformed, and analyzed production, inventory, procurement, and machine-utilization data using **SQL and Python** to identify operational trends and improve reporting consistency.
- Developed Excel KPI reports and dashboards for production output, inventory levels, and machine utilization, supporting management reviews, inventory planning, and operational decision-making.

Projects

F1-InsightX | PostgreSQL, SQL, TypeScript, Supabase

[\[Website\]](#) [\[GitHub\]](#)

- Analyzed **369K+ laps**, **13K+ race results**, and **48K+ stint records** using relational race data to compare driver performance, position changes, strategy, and team-level trends.
- Built validated analytical views across **663 sessions** and **54 race analyses**, transforming PostgreSQL data into structured datasets and interactive visualizations for downstream analysis.

Sales Performance Dashboard | SQL, Python, Excel, Power BI

- Analyzed **112K+ order items** and **99K+ e-commerce orders** using SQL, Python, Pandas, and Excel to clean, transform, and analyze revenue, customer, delivery, and product-category data.
- Developed an interactive Power BI dashboard with DAX measures for revenue, average order value, late-delivery rate, review score, repeat-customer rate, and category revenue contribution.

Technical Skills

Data & Analytics: SQL, Python, Pandas, NumPy, ETL, Data Pipelines, Data Cleaning, Data Validation, Data Transformation, Excel (Pivot Tables, VLOOKUP/XLOOKUP), Power BI, Tableau, DAX, KPI Reporting, Data Visualization

Databases & Tools: PostgreSQL, MySQL, MongoDB, Relational Databases, Azure, Git, GitHub

Education & Certifications

Binghamton University, SUNY

M.S. in Computer Science

Binghamton, NY

Expected Sept 2026

Microsoft Certified: SQL AI Developer Associate [\[Verify\]](#)

Aug 2026

Microsoft Certified: Fabric Analytics Engineer Associate [\[Verify\]](#)

Aug 2026