

ADITYA RANJAN

Data Analyst | SQL, Python & Power BI

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PROFESSIONAL SUMMARY

Data Analyst who works end to end, from raw data and SQL to dashboards built around a clear business question. Projects include a three-layer Snowflake warehouse and Tableau dashboards on 1,033,036 transactions, a four-page Power BI risk report on 255,347 loans, and a SQL Server to MySQL reporting migration that included fixing a production data-quality issue. I check that the numbers are right before they go into a report. Currently working in AI data quality evaluation at Innodata.

TECHNICAL SKILLS

SQL & Python: SQL (joins, CTEs, subqueries, window functions), Python (Pandas, NumPy), ETL pipelines

Business Intelligence: Power BI, Tableau, DAX, Power Query, data modelling, time intelligence (YoY/YTD), KPI dashboards

Analytics: RFM segmentation, cohort retention analysis, ABC analysis, EDA, statistics, data validation, cross-layer reconciliation

Databases & Warehousing: Snowflake (RAW/STAGING/ANALYTICS), SQL Server, MySQL, dimensional modelling, database migration

Tools: Advanced Excel (PivotTables, XLOOKUP, INDEX-MATCH), Jupyter, Matplotlib, Seaborn, Git/GitHub

EXPERIENCE

Innodata India Pvt. Ltd. | Data Annotator

July 2026 - Present

Remote | Freelance contract

- Check AI-generated charts, dashboards and reports against their underlying data, making sure titles, axes, labels and written descriptions match what the data shows. Correct misinterpretations before client delivery.
- Test interactive dashboard and report controls, and assess outputs for factual accuracy, instruction adherence, completeness and usability against documented client criteria. Work is scored through per-task quality ratings.
- Review 20–30 outputs a day across charts, dashboards, documents, code, web pages, images and speech data. Selected for cross-skilling into more task types after a performance assessment.

PROJECTS

Customer Revenue & Retention Analytics

github.com/beingbrute/Customer-Revenue-Retention-Analytics

Python, Pandas, SQL, Snowflake, Tableau, GenAI (Ollama / Qwen3) · 2026

- Built a Python ETL pipeline for 1,067,371 retail transactions and loaded the 1,033,036 cleaned records into Snowflake RAW, STAGING and ANALYTICS layers, reconciling totals at each layer before publishing two Tableau dashboards.
- Analysed £18.89M in estimated net revenue and 5,852 identified customers with RFM segmentation and cohort analysis. Champions were 24.74% of customers but brought in 74.04% of identified-customer net revenue; overall weighted Month-12 retention was 21.65%.
- Classified 4,725 products into 12 categories with a local LLM, adding JSON schema validation, batching and rule-based cross-checks on the results. No paid AI API was needed for the category revenue analysis.

Loan Default Risk Analysis

github.com/beingbrute/Loan-Default-Risk-Analysis

Power BI, Power Query, DAX, Data Modelling, Time Intelligence · 2026

- Created a four-page Power BI report on 255,347 loans, with a semantic model built around a date table, YTD/YoY DAX measures, dynamic field parameters and report-page tooltips.
- Compared the 11.61% default rate with the defaulted amount share (13.15%) and found that defaulted loans tend to have larger balances. Default rates were also higher for young adults (19.71%) and low-income borrowers (17.16%).

Inventory Demand & Supply Analysis

github.com/beingbrute/Inventory-Demand-Supply-Analysis

Power BI, SQL Server, MySQL, DAX, Power Query · 2026

- Found and fixed a referential integrity break in the production inventory data. Then migrated the report source from SQL Server to MySQL and revalidated the Power BI report after the switch.
- Built DAX measures for demand fulfilment (79.97%), unfulfilled units (746) and revenue at risk (\$97.37K). The products with the largest shortages were not always the ones with the most revenue at risk.

EDUCATION

Bachelor of Technology in Computer Science and Engineering

2019 - 2023

University Institute of Engineering and Technology (UIET), CSJM University, Kanpur

CERTIFICATIONS & ACHIEVEMENTS

Complete Data Analyst Bootcamp: From Basics to Advanced | Udemy | [Certificate](#)

September 2026

HackerRank: SQL 5-Star Gold Badge | Python 4-Star Silver Badge