

ARNAB MONDAL

Data Analyst | SQL • Python • Power BI Specialist

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[GitHub](https://github.com/ArnabMondal98) [Open to relocation](#)

PROFESSIONAL SUMMARY

Data Analyst with 4+ years of experience delivering high-quality analytics, reporting, and data validation solutions in enterprise environments. Skilled in SQL, Python, statistical analysis, and Power BI to extract insights from large datasets and support data-driven product and business decisions. Improved system performance by up to 40% and ensured 95% data accuracy at Cognizant.

KEY SKILLS

Data Analytics & BI:

Data Analysis, Business Intelligence, KPI Reporting, Data Visualisation, Power BI, Tableau

Programming & Tools:

SQL, Python (Pandas, NumPy, Matplotlib, Seaborn), Excel, Azure Databricks

Data Engineering:

ETL, Data Cleaning, Data Modelling, Data Validation, PostgreSQL, SQL Server, Data Warehousing

Analytics Methods:

Statistical Analysis, Exploratory Data Analysis (EDA), Root Cause Analysis, Predictive Analytics

WORK EXPERIENCE

Data Analyst (Test Data & Analytics), Cognizant

10/2021 – Present

Kolkata, India

- Analyzed application and database performance across 8+ enterprise projects, identifying data bottlenecks and improving system efficiency by 25% through SQL optimization and analytics using Azure Databricks.
- Developed and optimized complex SQL pipelines to extract, transform, and validate 500K-1M+ records across Dev, QA, and Production environments using SQL Server and Databricks.
- Built scalable data validation and reconciliation frameworks ensuring 95% data accuracy, regulatory compliance, and end-to-end data integrity.
- Performed root-cause analysis and defect triage for data discrepancies, resolving 95% of issues within SLA timelines through structured validation workflows.
- Automated Excel, Power BI, and Tableau reporting using Python (Pandas, NumPy, Matplotlib, Seaborn), reducing manual effort by 30% and improving reporting consistency.
- Designed interactive Power BI and Tableau dashboards and reusable analytical modules to support business intelligence, performance testing, and operational reporting.
- Delivered advanced analytics use cases including customer retention (+15%) and insurance claims analysis using SQL, Python automation, Azure Databricks, and BI visualization tools.

PROJECTS

Data Quality Watchtower – Data Validation & Monitoring Platform, Standalone Project | 2025

2025 – 2026

Live App: <https://dataqualitywatchtower.vercel.app/>

GitHub Project Link : <https://github.com/ArnabMondal98/dataqualitywatchtower>

- Built and deployed an **end-to-end data quality monitoring platform** with automated rule-based checks (nulls, schema, range, consistency) to ensure reliable analytics outputs.
- Developed **Python-based REST APIs** with Swagger UI to run validations and return structured results, enabling scalable integration with analytics pipelines.
- Delivered a **live web application** for dataset uploads and data health monitoring, improving trust and efficiency in downstream reporting and decision-making.

Dynamic Scatter Plot Visualization App, Standalone Project

07/2025 – 09/2025

GitHub Project Link : https://github.com/ArnabMondal98/ScatterPlot_App

- Developed a **Streamlit + Plotly application** enabling dynamic, user-driven data visualization with real-time Excel inputs.
- Implemented statistical features including **outlier detection, Z-score normalization, trendlines, and automated exports** for faster exploratory analysis.

EDUCATION

Master of Computer Applications, CGPA: 9.0, University of Mysore

05/2022 – 08/2024

Bachelor of Computer Applications, CGPA: 7.2, Techno Main Saltlake

07/2017 – 08/2020

CERTIFICATIONS

Certified Data Science Associate Program

Indian Council for Technical Research and Development

SQL: Data Reporting and Analysis

LinkedIn Learning

SQL for Data Science

LinkedIn Learning

LANGUAGES

English



Hindi



Bengali



German

