Arnab Mondal

SQL • Python • Azure Databricks • Power BI • Data Analytics

✉ arnabmondal040725@gmail.com 📞 8013901890 🔗 linkedin.com/in/arnabmondal98 🔗 github.com/ArnabMondal98

🔗 arnab-mondal-portfolio.vercel.app 📄 Open to Relocation (UK / EU / Global) | Visa Sponsorship Welcome

PROFILE

Enterprise Data Analyst with 4+ years at Cognizant driving SQL optimization, ETL development, and Azure Databricks cloud analytics across enterprise systems. Improved application performance by 40%, ensured 95%+ data accuracy, and automated BI reporting by 30% through scalable data architecture, governance, and advanced analytics solutions.

PROFESSIONAL EXPERIENCE

Data Analyst – Product Analytics, Cognizant   Oct 2021 | India

- Optimized SQL queries and indexing strategies across 8+ enterprise applications, improving system performance by 25–40% on large-scale datasets (500K–1M+ records).
- Designed and deployed ETL pipelines using SQL Server and Azure Databricks to transform and validate production data, ensuring 95% data accuracy across Dev, QA, and Production environments.
- Implemented automated data validation and reconciliation frameworks, reducing reporting discrepancies by 35% and strengthening regulatory compliance.
- Conducted root cause analysis for data defects and resolved 95% of issues within SLA timelines through structured defect triage processes.
- Automated reporting workflows using Python (Pandas, NumPy), Power BI (DAX), and Tableau, reducing manual effort by 30% and accelerating executive decision-making.
- Delivered predictive analytics solutions including customer retention modeling (+15%) and insurance claims performance dashboards using SQL, Python, and BI tools.

PROJECTS

Data Quality Watchtower   2025 – 2026
Github Link: https://github.com/ArnabMondal98/dataqualitywatchtower 🔗 | **Live Demo Link:** https://dataqualitywatchtower.vercel.app/ 🔗

- Built an end-to-end data quality monitoring platform to address unreliable downstream reporting in enterprise datasets.
- Developed rule-based validation checks (null, schema, range, consistency) and REST APIs for automated dataset ingestion.
- Deployed a live monitoring application, improving reporting reliability and increasing stakeholder trust in analytics outputs.

Retail Analytics Pipeline   2025 – 2026
Github Link: https://github.com/ArnabMondal98/Retail_Analytics_Pipeline 🔗 | **Live Demo Link:** https://retail-analytics-pipeline.vercel.app/ 🔗

- Designed and implemented a scalable data ingestion and transformation pipeline for retail sales and inventory systems.
- Integrated SQL and Python-based processing with Power BI dashboards to centralize fragmented business data.
- Enabled real-time KPI tracking, improving visibility into revenue trends and inventory performance.

Healthcare Decision Intelligence   2025 – 2026
Github Link: https://github.com/ArnabMondal98/Healthcare_Decision_Intelligence_Analytics 🔗
Live Demo Link: https://healthcaredecisionintelligenceanalytics.streamlit.app/ 🔗

- Engineered an interactive healthcare analytics dashboard to consolidate patient and operational metrics.
- Applied EDA and data modeling techniques to generate actionable insights for healthcare administrators and Improved operational visibility and data-driven decision support.

SKILLS

Programming & Querying:
Python for Data Analysis(Pandas, NumPy, Matplotlib, Seaborn), PostgreSQL, SQL Server

Business Intelligence:
Power BI (DAX), Tableau, Excel Advanced, Dashboard Development, KPI Reporting, Business Intelligence Solutions

Analytics & Methods:
Statistical Analysis, Exploratory Data Analysis (EDA), Predictive Modeling, Root Cause Analysis, Performance Optimization, Enterprise Analytics

Data Governance:
Data Validation, Reconciliation, Data Quality Monitoring, Compliance Standards, Performance Optimization, Data Automation

Data Engineering:
ETL Development, Data Modeling, Data Warehousing, Azure Databricks, Microsoft Fabric, Cloud Analytics

COURSES

Business Analytics, Upgrad   2022 – 2023 | India
Completed structured program covering Data Analysis, Predictive Modeling, Statistical Methods, Business Intelligence, KPI Frameworks, and Data-Driven Decision Making using SQL, Python, and Excel.

EDUCATION

Master of Computer Applications (MCA), University of Mysore   2022 – 2024 | Mysore, India

Bachelor of Computer Applications (BCA), Techno Main Saltlake(MAKAUT)   2017 – 2020 | Kolkata, India

CERTIFICATES

- Introduction to End-to-End Analytics using Microsoft Fabric – Microsoft
- Databricks Fundamentals - Databricks
- SQL: Data Reporting and Analysis – LinkedIn Learning