

AKASH GHOSH

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Summary

Data Analyst with experience at PwC Acceleration Center, building SQL and Python pipelines on Azure Databricks and delivering Power BI and Tableau dashboards that business teams actually use. Processed 8M+ records in live audit environments, cut pipeline processing time by 40%, and built dashboards that influenced sales decisions. Also delivers technical training on Generative AI and Agentic AI to engineering students. Open to Data Analyst, Analytics Engineer, and Data Engineer roles where the work goes beyond reporting and into real data ownership.

Skills

BI & Analytics: Power BI, Tableau, Excel (Advanced), DAX, Data Visualization, Data Modeling, EDA, Data Storytelling, Statistics, KPI tracking
Data Engineering: SQL (PostgreSQL, SQL Server, MySQL), Azure Databricks, ETL Pipelines, Data Warehousing, dbt, Snowflake, Git/GitHub
AI & Programming: Python (Pandas, NumPy, Seaborn), PySpark, LangChain, Prompt Engineering, REST APIs, HuggingFace, Generative AI, N8N Automation, LLM, Machine Learning
Core Competencies: Stakeholder Communication, Technical Training, Requirements Gathering, Workflow Automation, Data Quality

Experience

Technical Trainer (Part-Time, Project-Based) Mar 2026 – Present
Euphoria GenX Kolkata
– Delivered **10+ hands-on workshops** on Generative AI, Agentic AI, Python, SQL, and Power BI, training **500+ students** across **4+ engineering colleges** through project-based learning.
– Designed **20+ AI and data analytics projects** and coding modules covering LLMs, LangChain, and Prompt Engineering, giving students hands-on exposure to production-style tooling.
– Mentored 500+ students through live coding and debugging sessions, partnering with **4+ academic institutions** to align training content with industry practice.

Data Analyst Associate (Fixed-Term Contract) Oct 2025 – Feb 2026
PwC Acceleration Center India Kolkata, Hybrid
– Rebuilt SQL ingestion pipelines on Azure Databricks that were running slow and dropping records, reducing processing time by **40%** and getting audit teams to readiness faster.
– Spearheaded the identification and remediation of data integrity issues on PwC’s DataPro platform, decreasing post-processing defects by 25% through upstream corrections.
– Converted the audit team’s manual business logic into automated workflows, achieving more than **90% accuracy** across all client data deliverables while processing **8M+ records** with zero escalations.

Junior AI Engineer May 2025 – Aug 2025
Artsy Technologies Private Limited Remote
– Built a Python chatbot using HuggingFace and BioBERT that independently resolved **60% of client queries** at **95% accuracy**, cutting support team workload significantly.
– Developed a WhatsApp bulk messaging system in Flask with REST API integration, replacing a fully manual process and saving **90% of communication effort**.

Projects

Enterprise Data Warehouse & Analytics Platform | SQL Server, Git/GitHub, ETL [GitHub](#)
– Architected a centralized data warehouse for 5 departments by engineering **15+ ETL pipelines**, successfully consolidating over **500,000 records** and improving query throughput by **60%**.
– Designed a reporting-optimized dimensional data model (Bronze, Silver, Gold layers) and implemented automated SQL data quality checks, establishing a reliable single source of truth for downstream analytics.

E-commerce Revenue Analytics Dashboard | Tableau, SQL [GitHub](#)
– Built a Tableau dashboard consolidating **\$2.41B in revenue** across 8 regions, replacing disconnected reports that caused conflicting numbers in executive meetings.
– Added customer segmentation and time-series views that cut strategic planning cycle time by **25%** and improved forecasting accuracy.

Credit Card Fraud and Risk Analysis | Power BI, SQL, Python [GitHub](#)
– Analysed **10,000+ transactions** using Python to detect fraud patterns, building a model that hit **92% detection accuracy**.
– Delivered a Power BI risk-scoring dashboard that cut manual review time by **40%**, helping the finance team catch issues weeks earlier.

Education

Master of Computer Applications (MCA) 2022 – 2024
Techno India University | GPA: 8.4/10 Kolkata

Bachelor of Computer Applications (BCA) 2019 – 2022
Techno Main Salt Lake | GPA: 9.1/10 Kolkata

Certifications & Achievements

- Data Analytics Essentials, Cisco Networking Academy (2025)
- **SQL: 5-star HackerRank rating**, ranked in the top 10% of users globally
- Member, Google Developer Student Club; contributed to technical sessions and peer knowledge-sharing