

AMITESH KUMAR SINGH

+91-9140423050 | amitesh.ks2001@gmail.com | linkedin/amiteshsingh2001 | github/itsmeamitesh01 | Portfolio

Data Analyst with proven experience turning raw data into business decisions - via ETL pipelines, BI dashboards, and customer segmentation. Fluent in SQL, Python, Power BI, and BigQuery.

Education

Jaypee University of Engineering and Technology

Aug. 2020 – Jun. 2024

Bachelor of Technology in Computer Science and Engineering, CGPA: 8.6/10

Guna, MP

Experience

Data Analyst Intern

Jan. 2025 – Jun. 2025

M/s Pragatee Enterprises

Prayagraj, UP

- Designed a data-backed bidding strategy framework using SQL and Excel, analyzing 5,000+ rows of historical project data to surface key profit drivers directly informing management decisions on project selection.
- Consolidated budget variance data across 50+ projects from multiple sources, eliminating ~3 hours of manual reporting per week and reducing error rate flagged by the finance team.
- Built Power BI dashboards to monitor 10+ active projects in real time, enabling project managers to detect cost-overruns early; presented findings in bi-weekly stakeholder reviews.

Projects

Sentinel: Fraud & Compliance Engine | C++

Oct. 2025 – Present

- Developed a high-performance C++ engine using deterministic risk-scoring (0–100) to evaluate transaction frequency, volume spikes, and geo-location anomalies.
- Implemented a 24-hour rolling compliance limit (Rs. 1,00,000) with dual-entry audit logging, achieving **85%+** automated processing; edge cases are flagged for manual reconciliation.
- Architected an interactive admin dashboard to monitor real-time threat levels, automatically isolating accounts at ≥ 70 risk to prevent unauthorized asset transfers.

Nexus: Automated RFM Pipeline | SQL, Python, Docker, GCP

Jul. 2025 – Sept. 2025

- Architected a containerized ETL pipeline using Python and Docker, extracting and transforming **540K+** raw transactional records into deployment-ready datasets on Google Cloud Platform.
- Formulated advanced SQL queries in BigQuery to calculate Recency, Frequency, and Monetary (RFM) scores, isolating high-value customer cohorts for targeted campaign strategy.
- Delivered technical findings as a structured brief to marketing stakeholders, translating complex data into actionable recommendations for targeted customer engagement; achieved a **96%** reduction in pipeline execution time.

Prism: E-commerce BI Suite | SQL, Looker Studio, GCP

Mar. 2025 – May 2025

- Designed an end-to-end analytics workflow to process **95,000+** e-commerce transactions, utilizing complex SQL multi-table joins to ensure **100%** data integrity for audit-ready reporting.
- Applied data storytelling techniques to surface seasonal sales anomalies and historical trends, delivering strategic insights for executive decision-making.
- Developed interactive Looker Studio dashboards for business-side users, translating **95,000+** transactions into clear, executive-level KPIs.

Technical Skills

Languages: SQL, Python, C++

Databases & Cloud: Google Cloud Platform (GCP), BigQuery, MySQL, PostgreSQL, Cloud Storage

Tools & Pipelines: Docker, ETL Pipelines, Git, GitHub, VS Code

BI & Visualization: Power BI, Looker Studio, Microsoft Excel

Analytics: Customer Segmentation (RFM), Campaign Analytics, Performance Reporting

Professional: Stakeholder Management, Technical Documentation, Structured Problem Solving

Certifications & Professional Development

McKinsey Forward Program | Structured Problem Solving, Adaptability

Dec. 2025

Google Data Analytics Professional Certificate | SQL, Data Visualization

Aug. 2025

Deloitte Data Analytics Job Simulation | Forage, Strategic Analysis

Aug. 2025