

ALOK PATHAK

Data Analyst | SQL | Python | Power BI | ETL & Analytics Engineering

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Professional Summary

Data Analyst with strong expertise in SQL, Python, and business intelligence, experienced in analyzing large datasets and building data-driven solutions to support strategic decision-making. Proven ability to develop ETL workflows, perform statistical and root cause analysis, and create dashboards using Power BI and Tableau to communicate insights effectively. Skilled in developing analytical tools, KPI frameworks, and value-driven reporting solutions to enhance business performance and customer engagement. Adept at collaborating with cross-functional teams to translate business requirements into scalable data solutions. Strong interest in applying AI-driven analytics and big data techniques to drive measurable business impact.

Technical Skills

Technical & Programming:	SQL, MySQL, SQL Server, Python (Pandas, NumPy), R, Generative AI (LLMs, Prompt Engineering).
Data Analysis & Visualization:	Power BI, DAX, Tableau, Advanced Excel (Pivot Tables, XLOOKUP, VLOOKUP), PowerPoint.
Data Engineering & Databases:	ETL Development, Data Extraction & Transformation, Data Warehousing, Star & Snowflake Schema.
Analytics & Data Quality:	Data Mining, Root Cause Analysis, Data Validation, Data Cleaning, Data Quality Checks, Data Interpretation.
Business Analytics:	Business Analysis, Operational Metrics Reporting, Business Requirements Gathering.
Process & Data Governance:	Process Documentation, Identifying Data Inconsistencies, Risk Awareness.

Experience

Co-Founder & Product Strategy Analyst SQL, Python, JavaScript, Power BI, AWS <i>InterviewSync.Pro - AI Interview Preparation SaaS Platform</i>	April 2025 - Present <i>Bhopal, India</i>
- Spearheaded product strategy and operational workflows for AI-driven evaluation systems, improving onboarding efficiency by 25%. - Engineered complex SQL-based data pipelines (joins, CTEs, aggregations) to process and analyze structured datasets, boosting reporting efficiency by 30%. - Conducted root cause analysis and trend modeling, driving data-backed decisions and improving operational performance by 20%. - Designed interactive KPI dashboards (Power BI) to monitor product performance and user engagement metrics in real time. - Strengthened data integrity frameworks through validation, governance, and reconciliation processes, reducing inconsistencies by 25%. - Partnered with cross-functional teams to translate business requirements into scalable analytical solutions.	
Data Science Intern SQL, Python, Pandas, NumPy, Excel <i>Teachnook/Cognizance IIT Roorkee</i>	April 2024 - June 2024 <i>Remote, India</i>
- Processed and analyzed 500K+ records using SQL and Python, uncovering trends and enabling data-driven insights. - Built and optimized ETL pipelines, reducing data processing time by 30% and improving workflow efficiency. - Applied data cleaning and validation techniques, enhancing data quality and reducing inconsistencies by 20%. - Developed BI reports and dashboards, supporting strategic and operational decision-making.	

Personal Projects

Uber Trip and Ride Sales Analysis SQL, Excel, Snowflake, ETL Processes, Data Extraction & Transformation	November 2025
- Developed ETL pipelines in SQL to extract, clean, and transform trip data into structured reporting formats. - Conducted data cleaning & standardization in SQL and Excel, ensuring 100% data quality for business reporting. - Built KPI dashboards using Power BI, enabling real-time tracking of product performance and improving decision-making efficiency. - Automated reporting with SQL & Snowflake, improving reporting efficiency by 40% enabling data-driven pricing strategies.	
Data Monitoring & Analysis Dashboard SQL, Excel, Power BI	September 2025
- Designed a Power BI dashboard to analyze customer churn, retention, and cohort trends across demographic segments. - Cleaned and transformed customer data using SQL and Excel, addressing missing values and standardizing records. - Created clear visualizations (bar, line charts, slicers) to highlight at-risk customer segments and reporting insights.	

Certifications

SQL Advanced Certification – HackerRank CERTIFICATE	May 2025
MongoDB for SQL Experts 2025 - MongoDB University CERTIFICATE	May 2025
Mckinsey Forward Program 2025 - Mckinsey & Company CERTIFICATE	May 2025
Data Analytics - Cisco, Accenture, IBM, JPMC CERTIFICATE	2025
Foundations of Cybersecurity - Google, Coursera CERTIFICATE	2024

Education

LNCT Group of Colleges (Rajiv Gandhi Prodyogiki Vishwavidyalaya Bhopal) <i>Master of Computer Application (MCA) - 7.7 CGPA 8.6 SGPA</i>	June 2023 - June 2025 <i>Bhopal, Madhya Pradesh</i>
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