

Akshay Tiwari

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PROFESSIONAL SUMMARY

Entry-Level Data Analyst with hands-on experience in SQL, Python (Pandas, NumPy), and Excel. Skilled in data cleaning, data validation, exploratory data analysis (EDA), data visualization, and reporting. Experienced in analyzing structured and unstructured datasets to identify trends, generate actionable insights, and support data-driven decision-making. Contributed to 4+ academic and internship projects in Agile environments.

EDUCATION

Master of Computer Applications (MCA) — Medicaps University, Indore Aug 2023 – Jul 2025
Bachelor of Computer Applications (BCA) — Bherulal Patidar Govt. PG College Sep 2020 – Jul 2023

TECHNICAL SKILLS

Data Analysis & Querying: SQL (Joins, Subqueries, CTEs), Advanced Excel (Pivot Tables, VLOOKUP, Data Validation), Data Cleaning, Data Preprocessing, Exploratory Data Analysis (EDA), Trend Analysis, Anomaly Detection
Programming & Statistics: Python (Pandas, NumPy), Descriptive Statistics, Statistical Analysis, Data Transformation, Data Modeling, Basic A/B Testing Concepts
Databases: MySQL, PostgreSQL, MongoDB, Database Design, Schema Normalization, Query Optimization
Data Visualization & Reporting: Dashboard Development, KPI Tracking, Business Reporting, Data Visualization, BI Concepts, Reporting Automation, Data Preparation
Tools & Platforms: Git, GitHub, Jupyter Notebook, VS Code, Postman, AWS EC2 (Basic), CI/CD Fundamentals
Concepts & Methodologies: Product Analytics, Data Pipelines (Basic), ETL concepts, Agile/Scrum, SDLC, AI/ML

EXPERIENCE

Associate Data Analyst — Ram Anti-virus Pvt. Ltd., Jalgaon , Maharashtra Jan 2025 – Jun 2025

- Analyzed user, transaction, and application datasets to support reporting and monitoring.
- Cleaned, validated, and ensured quality of 500+ records for downstream analytics.
- Streamlined data flows with engineering teams, improving delivery timelines by 25%.
- Assisted CI/CD deployments and AWS EC2 workflows, reducing release cycles by 40%.

AICTE Virtual Internship (AI/ML) — Virtual Jun 2024 – Aug 2024

- Prepared and transformed large geospatial datasets using Python (Pandas, NumPy) for analysis.
- Conducted EDA to identify trends, correlations, and anomalies for data-driven insights.

PROJECTS

E-commerce Data Analysis Platform — SQL | Python | Excel | Data Analysis | Dashboard Reporting Link

- Engineered a transactional platform managing 100+ product and order datasets; optimized query execution to improve page response time by 30% for 50+ concurrent users.
- Structured and tracked order, payment, and user data to support reporting accuracy and system reliability.

WhatsApp Chat Analytics Dashboard — Python | Pandas | NumPy | KPI Tracking Link

- Interpreted 10,000+ chat records using Python-based EDA to uncover engagement patterns and activity trends.
- Presented insights through interactive dashboards, enabling behavior analysis for 200+ users.

CERTIFICATIONS & ACADEMIC TRAINING

Python for Data Analytics — Medicaps University | Practical training in Python libraries including Pandas, NumPy, Matplotlib, Seaborn for data cleaning, preprocessing, exploratory data analysis and visualization to generate actionable insights Aug 2024

Database Concepts & SQL Training — Medicaps University | Completed 10+ exercises and 3 real-world projects handling datasets of 5,000+ records, improving query efficiency by up to 30% and enabling faster, accurate data retrieval for analytics applications. jan 2024

LEADERSHIP & COMMUNITY

Placement Coordinator, MCA Department — Led 10+ resume reviews and mock interviews, driving a 40% improvement in interview outcomes; coordinated with 5+ hiring partners and maintained structured placement tracking for 50+ students. Medicaps University