

# AKASH SINGH RATHOUR

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## Summary

Motivated and enthusiastic aspiring Data Engineer with a strong foundation in SQL, Python, and data concepts. Skilled in data ingestion, processing, and visualization using Power BI and Excel. Eager to contribute to building scalable data systems while gaining hands-on experience with modern technologies and cloud platforms like Azure. Known for strong analytical thinking, teamwork, and a proactive approach to problem-solving and documentation.

## Skills

**Technical Skills :** SQL, Python, Data Pipelines, ETL Concepts, Data Ingestion, Data Processing, Data Modeling, Database Management, MySQL, Azure, Power BI, Excel, Git/GitHub.

**Analytical & Problem-Solving Skills :** Analytical Thinking, Statistical Analysis, KPI Tracking, Logical Reasoning, Debugging, Data Interpretation, Data Visualization, Eagerness to Learn .

**Professional & Interpersonal Skills :** Strong Communication, Team Collaboration, Adaptability, Attention to Detail.

## Experience

### Data Engineer intern

July 2025 – Present

Arna Softech – Indore

*Tools Used: Python, Excel, SQL, Power BI*

- Assisted in developing and maintaining **data pipelines** for data ingestion, cleaning, and transformation.
- Supported **database management and basic data modeling** to ensure structured data storage.
- Learned and applied **basic data modeling** and database management techniques.
- Created **automated reports and dashboards** in Power BI and Excel for performance monitoring.
- Collaborated with the team to document workflows and apply **ETL and data engineering concepts** in real projects.

## Projects

### Real-Time Loan Eligibility Prediction | Python, SQL, Power BI, Machine Learning - [Link](#)

May 2025 – June 2025

- Designed and developed an **interactive Power BI dashboard** to monitor home loan eligibility trends.
- Built **interactive reports** with slicers, drill-through, and filters for applicant demographics, property area, and loan status.
- Automated reporting workflows, enabling **faster and more consistent loan approval insights** for business Partner.
- Built data models and DAX measures for KPIs (loan approval rate, income-to-loan ratio, credit impact).

### Rape Violence Analysis Dashboard | Python, Pandas, Plotly, GeoPandas, Streamlit, Power BI - [Link](#)

March 2025 – April 2025

- Processed and cleaned 1.2M+ crime records (1999–2020) from Kaggle to ensure reliable reporting of national statistics.
- Developed an interactive Streamlit dashboard for crime trend analysis by year, state, and category.
- Built 6+ visualizations including area charts, bar graphs, pie charts, maps, and 3D heat map using and GeoPandas.
- Enabled data-driven insights for policy teams and public awareness efforts through visual storytelling.

## Awards & Certifications

- Data Analytics Job Simulation – Deloitte (Forage) | Sep 2025 | [Link](#)
- Data Analytics Essentials – Cisco (2025) | [Link](#)
- Advanced Data Analysis – Masai School (2025 - [Link](#))

## Education

### Data Analytics | [Link](#)

August 2025

Masai School

### B.Tech Computer Science and Engineering | [Link](#)

Graduated: 2023

Technocrats Institute of Technology, Bhopal

CGPA: 8.04 / 10