AKASH SINGH RATHOUR
Data Analyst

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Summary

Results-driven professional with expertise in SQL, Python, Power BI and Advanced Excel**.** Skilled in ETL workflows, data cleaning, exploratory data analysis, KPI tracking, and statistical modeling**,** delivering dashboard automation, actionable insights, and data-driven decisions that enhance business performance**.**

Skills

Programming & Querying: SQL/MySQL, Python (Pandas, NumPy, Matplotlib, Seaborn), ETL Pipelines, API Integration, Automation Scripting.
Data Visualization Tools: Power BI, Tableau, Plotly, Streamlit, Advanced Excel (Pivot Tables, Power Query).
Analytics & Modeling: Data Profiling, Data Cleaning, Exploratory Data Analysis (EDA), KPI & Metrics Tracking, Hypothesis Testing, Regression, Trend & Time-Series Analysis.
Machine Learning (Basics): Linear/Logistic Regression, Decision Trees, Random Forest, K-Means, Clustering, Model Validation.
Business & Reporting Competencies: Dashboard Design, Reporting Automation, Data Governance, Data Quality, Requirement Gathering, Stakeholder Communication, Forecasting, Scenario Planning, Business Process Optimization.

Experience

Associate Trainee Engineer   **Augest 2024 – Present**
Saiket System – Remote | Gurgaon   *Tools Used: Python, Excel, SQL, Power BI*
  – **Extracted, cleaned, and transformed** 50K+ sales & operations records via **SQL queries and Python ETL pipelines**, ensuring **data governance** and accuracy.
  – Designed **interactive Power BI dashboards** tracking **KPIs, revenue trends, and customer segmentation** for leadership.
  – **Automated reporting workflows**, cutting manual effort by 35 % and improving **decision-support turnaround.**
  – Delivered **actionable insights** on marketing & operations performance through **data storytelling** presentations.

Data Analyst Intern   **May 2025 – July 2025**
Mirai School of Technology | Remote   *Tools Used: Python, SQL, Power BI*
  – Processed 100K+ rows with **SQL & Python**, enabling robust **KPI monitoring** and **trend analysis** across multiple regions.
  – Built **Excel templates** (Pivot, Lookup, Power Query) to **streamline reporting** and reduce cycle time by 40 %.
  – Developed **Power BI dashboards** visualizing **revenue, customer mix, and performance metrics**, supporting **data-driven decisions**.

Associate Trainee Engineer   **Feb 2024 – Mar 2025**
CMS IT Services Pvt. Ltd. | Gurgaon   *Tools Used: Python, Excel, SQL, Power BI*
  – **Processed 100K+** rows for weekly reports, enabling KPI tracking across regions
  – Supported data tracking and compliance reporting for client projects across multiple locations.
  – Collaborated with cross-functional teams, improving reporting efficiency and documentation quality.

Projects

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, choropleth maps, and 3D heatmaps using Plotly and GeoPandas.
  – Enabled data-driven insights for policy teams and public awareness efforts through visual storytelling.

Healthcare Stroke Risk Analysis / *Python, SQL, Seaborn, Matplotlib -* **Link**   **February 2025 – March 2025**
  – Conducted end-to-end analysis of 5,100+ patient records to identify key stroke risk factors using statistical tests (Chi-square, Mann-Whitney U).
  – Visualized critical health indicators (age, BMI, glucose) via Seaborn and Matplotlib to uncover patterns by demographic groups.

- Designed multipage dashboards with slicers and filters, helping stakeholders drill down by region, product category, and time.
- Supported predictive modeling of stroke likelihood and improved stakeholder decision-making on intervention priorities.

Awards & Certifications

- **Data Analytics Essentials – Cisco (2025):** Completed 8 practical case studies involving SQL, data cleaning, dashboards, and presentations.- **Link**

- **Top 5% in SQL Hackerrank Challenge – 2024:** Ranked among top 150 out of more than 3,000 participants for advanced SQL problem-solving.

- **Advanced Data Analysis – Masai School (2025):** Built a Power BI dashboard analyzing academic performance across 3 departments over 6 months. - **Link**

Education

Data Analytics   **August 2025**
Masai School

B.Tech Computer Science and Engineering   **Graduated : 2023**
Technocrats Institute of Technology, Bhopal   *CGPA: 8.04 / 10*