

RAHUL AGRAWAL

DATA ANALYST

(+977) 9862915029 | agrawal.rahul.1025@gmail.com
[Github](#) | [Portfolio](#) | [Linkedin](#) | [Twitter](#) | [Kaggle](#)
Kathmandu, Nepal

Summary

Data Analyst with over 2 years of experience (including internships) specializing in **Python, SQL, and Tableau**. Proven track record of transforming raw data into interactive dashboards and predictive models to support business decisions. Skilled in **ETL processes**, data cleaning, and statistical analysis, with a focus on delivering high-accuracy insights in the finance and IT sectors.

Skills

- **Data Visualization:** Tableau (Interactive Dashboards, Storyboarding), Power BI, MS Excel (Pivot Tables, VLOOKUP).
- **Data Preparation and ETL:** Python (Pandas, NumPy), SQL (MS-SQL, MySQL), Data Cleaning, API Integration, DVC.
- **Statistical Analysis:** Identifying Trends, Correlations, and Patterns; Statistical Modeling.
- **Programming:** Python (Data Analysis, Visualization libraries), Flask
- **Business Skills:** Cross-functional collaboration, Stakeholder Reporting, Process Improvement.
- **AI/GenAI:** RAG, Gemini API, FAISS, Vector Embeddings, Tool-Calling, Prompt Engineering

Work Experience

JUNIOR DATA ANALYST | A1 IT Innovation, Damak Sept 2025 - Present

- Analyze real-world datasets across **finance and e-commerce domains**, translating complex data into actionable business reports.
- Utilize **Python and SQL** to extract and manipulate data, ensuring high data integrity for client-facing solutions.
- Collaborate with teams to identify business requirements and deliver tailored analytical tools.
- Designed and optimized Power BI dashboards and SQL queries to support finance and e-commerce reporting.

DATA ANALYST INTERN | A1 IT Innovation, Damak Dec 2024 - June 2025

- Executed data analysis projects using Excel and Tableau, focusing on identifying operational inefficiencies.
- Supported data-driven decision-making by maintaining and updating periodic performance dashboards.
- Assisted in ETL processes using SQL and SSIS, ensuring clean and reliable data pipelines.

DATA ANALYST INTERN | Cubical Technologies, Itahari, Nepal Dec 2023 - Mar 2024

- **Process Optimization:** Improved data accuracy by 20% by streamlining collection and cleaning workflows using Python and SQL.
- **Digital Strategy:** Recommended data-backed SEO strategies that increased platform visibility by 15%.
- Built interactive Power BI dashboards to visualize healthcare and industrial trends, improving reporting efficiency.

Projects

ECOMMERCE AI ASSISTANT – [GITHUB](#)

- Built a hybrid AI analytics assistant combining SQL tool-calling and RAG over 40,000+ real customer reviews, using local embeddings, FAISS, and MMR retrieval.
- Identified and mitigated an LLM hallucination risk through explicit grounding rules, verified against retrieved evidence.

GLOBAL TERRORISM TRENDS ANALYSIS – [GITHUB](#)

- Analyzed 111,000+ global incidents (2000–2017) across trend, correlation, and geographic dimensions, cross-verifying historical claims (e.g., ISIL's regional dominance) against the dataset.
- Built the same analysis twice, once in a pandas/matplotlib notebook and once in an interactive Power BI dashboard with cross-filtering map, trend, and correlation visuals.

CROP RECOMMENDATION SYSTEM - [GITHUB](#)

- Applied predictive analytics (Random Forest) for crop recommendation, integrating results into a BI dashboard for stakeholder decision-making.
- Cleaned and organized data using Python (Pandas, NumPy) for higher accuracy and seamless processing.
- Presented findings with a Flask-powered interface for easy stakeholder interaction.

Education

BACHELOR OF COMPUTER APPLICATION – Tribhuvan University

Relevant Coursework: Data Analysis and Visualization, Statistics, Financial Accounting, Introduction to Management

Certifications

DATA VISUALIZATION USING TABLEAU – EC Council