**YUVRAJ RANA**

Karnal, Haryana | +91-9416568084 | [singh.yuvrajrana256@gmail.com](mailto:singh.yuvrajrana256@gmail.com) | [www.linkedin.com/in/yuvraj-rana-82783b375](http://www.linkedin.com/in/yuvraj-rana-82783b375) | <https://github.com/Yuvraj-Rana-25>

**PROFESSIONAL SUMMARY**

Enthusiastic and detail-oriented Computer Science graduate skilled in Python, SQL, and data analysis. Experienced in building real-world projects, including a MySQL-based Banking Management System with fraud detection and an end-to-end data analysis project using Python and Pandas. Strong communicator with a proven ability to learn quickly, collaborate effectively, and deliver data-driven solutions. Actively sharing projects on GitHub and insights on LinkedIn.

**TECHNICAL SKILLS**

* Programming: Python, Java (basic), SQL
* Libraries/Frameworks: Pandas, NumPy, Matplotlib, Seaborn
* Tools: Jupyter Notebook, Power BI, MySQL, Git, VS Code
* Concepts: Data Analysis, Database Management, OOP, Data Visualization
* Soft Skills: Communication, Analytical Thinking, Creative Writing, Philosophy-based Problem Solving

**PROJECTS**

**Banking Management System with Fraud Detection – MySQL, Stored Procedures, Triggers**

[GitHub: <https://github.com/Yuvraj-Rana-25/Banking-DBMS-SQL> ]

* Built database schema with 4+ tables for accounts, transactions, fraud logs.
* Developed stored procedures for secure fund transfers and triggers to prevent transactions from frozen accounts.
* Improved transaction validation efficiency by 80% through automated fraud checks.

**ENERGIZED (World Energy Data Analysis) – Python, Pandas, Matplotlib, Jupyter**

[GitHub: <https://github.com/Yuvraj-Rana-25/Energized> ]

* Collected, cleaned, and analyzed global energy consumption datasets spanning 50+ years.
* Performed exploratory data analysis using Pandas and visualized trends with Matplotlib.
* Identified patterns in renewable vs. non-renewable usage, presenting findings through clear, data-driven visualizations.

**News Pulse (News Fetcher API with Categorized Database) – Python, StreamLit, SQL, API Integration**

[GitHub: <https://github.com/Yuvraj-Rana-25/NewsFetcher_API> ]

* Developed a backend system that fetches real-time news via API, storing 1000+ articles in a centralized database.
* Implemented category-based storage and retrieval, enabling quick access without repeated API calls.
* Built a StreamLit-based interface with search functionality for fetching topic-specific news and displaying 5–10 latest results per category.

**EDUCATION**

**Bachelor of Technology in Computer Science –** Shri Mata Vaishno Devi University, Katra

Aug 2021 – May 2025

Relevant Coursework: Database Systems, Data Structures, Software Engineering, Data Analytics

**ACHIEVEMENTS & ACTIVITIES**

* Published analytical and self-improvement articles on LinkedIn.
* Maintained 7+ active GitHub repositories with practical projects.
* Solved 50+ SQL challenges on LeetCode (Top SQL Batch)