YUVRAJ RANA

Karnal, Haryana | +91-9416568084 | singh.yuvrajrana256@gmail.com |
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)