YUVRAJ RANA

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PROFESSIONAL SUMMARY

Enthusiastic and detail-oriented Computer Science graduate skilled in Python, SQL, and full-stack web development using Django and REST Framework. Experienced in building and deploying real-world projects, including a Dockerized Notes App with authentication, email verification, and API endpoints, as well as a MySQL-based Banking Management System with fraud detection. Strong communicator with a proven ability to learn quickly, collaborate effectively, and deliver scalable, data-driven solutions. Actively sharing projects on GitHub and insights on LinkedIn.

TECHNICAL SKILLS

- Programming: Python, SQL (MySQL, SQLite), Java (basic)
- Libraries/Frameworks: Django, DRF, Pandas, NumPy, Matplotlib, Seaborn
- Tools: Docker, RENDER, SendGrid, Jupyter Notebook, Power BI, MySQL, Git, VS Code
- Concepts: REST API, User AUTH, Data Analysis, Database Management, OOP
- Soft Skills: Communication, Analytical Thinking, Creative Writing, Philosophy-based Problem Solving

PROJECTS

Notes App | Django, DRF, Docker, Render, SendGrid |Live: https://notes-app-ysaa.onrender.com

- Built a full-stack note-taking web app with user authentication, password reset, email verification, and RESTful APIs for notes and comments.
- Containerized the app with Docker and deployed on Render using Gunicorn and HTTPS-secured production settings.
- Implemented search functionality and environment-based configuration for smooth local and cloud deployment.

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.

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, Python/Django Development, 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)