SANJAY SINGH RAWAT

📞 +91 8755007784   ✉ sanjaysinghrawatk@gmail.com   in LinkedIn   Portfolio   ⓞ Github   ‹/› Leetcode

Education

Graphic Era University, Dehradun   **2022 - Present**
B.Tech in Computer Science and Engineering   *7.2/10 CGPA*

Bhartiya Vidyapeeth, Agra   **2022**
12th CBSE   *81.2 %*

Bhartiya Vidyapeeth, Agra   **2020**
10th CBSE   *83.6 %*

Projects

AI-Powered Workflow Automation Tool *Python, Pandas, Scikit-learn, Streamlit, Matplotlib*   <u>Source Code</u>

- Engineered a full-stack AI Workflow Automation Tool using Python, achieving 81% automation of data cleaning, validation, and analysis for Excel-based datasets.
- Developed 7+ modular components for a full-cycle data pipeline, including data cleaning, ML-powered anomaly detection with Scikit-learn, and dynamic Matplotlib visualizations.
- Deployed the project through 2 distinct interfaces: a user-friendly desktop GUI with Tkinter and a powerful command-line tool, increasing usability for all technical levels.
- View a live demonstration of the fully deployed application at: **LIVE**.

CRM Backend System for Sales Teams *Node.js, Express.js, MongoDB, Redis, REST APIs*   <u>Source Code</u>

- Developed backend modules for a CRM system supporting lead tracking, sales pipeline, and team collaboration across departments.
- Implemented Redis-based session handling and JWT auth for secure login; supported 15,000+ records with advanced filtering and pagination.

Cloud-Based File Storage System *Node.js, React, Express.js, MongoDB, AWS S3*   <u>Source Code</u>

- Engineered a full-stack MERN cloud storage application featuring a secure RESTful API with 10+ endpoints for user authentication (JWT) and complete file lifecycle management (CRUD operations).
- Integrated AWS S3 for scalable, cloud-based object storage and developed a dynamic, responsive frontend with React to provide a seamless user dashboard for all file interactions.
- Identified and remediated 2 critical production security vulnerabilities by migrating 5+ secret credentials to environment variables and sanitizing the entire Git commit history, successfully clearing 3 automated security blocks from AWS and GitHub.
- View a live demonstration of the fully deployed application at: **LIVE**.

Technical Skills

Languages: Python, JavaScript, Java, C, C++, Node.js
Development: React.js, HTML, CSS, Bootstrap, Tailwind CSS, Express.js, REST APIs, MongoDB, MySQL
Developer Tools: VS Code, GitHub, Jupyter, Postman, Insomnia, Netlify, Render, Vercel, AWS (EC2)
Other Libraries and Frameworks: Flask, Laravel, Streamlit, OpenCV, Tensorflow

Relevant Coursework

- Data Structures, Algorithm Analysis, DataBase Management, Operating Systems, OOPS Concept, Machine Learning, System Design, Computer Networks

Scholastic and Co-Scholastic Achievements

- **LeetCode Contest Performer:** Consistently ranked among top competitive programmers with multiple top **5%** finishes in weekly and bi-weekly contests.
- **LeetCode Contest Performer:** Maintained a contest rating of 1800+, consistently ranked among top competitive programmers.
- **Techfest Hackathon Finalist:** Reached the final round of Graphathon hosted by Graphic Era University, solving real-world tech problems.
- **College Coding Club – Core Member:** Organized coding contests and peer-learning sessions; mentored juniors in DSA and problem-solving.