Ramaditya Chaudhary

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https://github.com/ramaditya57   https://ramaditya-portfolio.vercel.app

Education

Bachelor of Technology - Computer Science and Engineering   Sep 2022 - Present

Vellore Institute of Technology, Bhopal   **CGPA: 8.53**

Skills

- **Development Stack:** Java, Python, JavaScript, C++, HTML, CSS, React.js, Node.js, Express.js, Bootstrap, Tailwind CSS, MongoDB, MySQL, Firebase
- **Tools & Technologies:** Git, GitHub, Postman, Selenium, Beautiful Soup, Machine Learning

Projects

Food Rescue   *(MERN)*

- Developed a full-stack MERN app with multi-role dashboards for donors, volunteers, shelters, and admins to manage food donations.
- Integrated JWT auth, Razorpay payments, real-time tracking, and analytics using MongoDB, Express, and Recharts.
- Implemented real-time donation lifecycle management with status transitions, expiry handling, and location-based pickup coordination.

CareCloud   *(MERN)*

- Designed a full-stack Hospital Management System using MongoDB, Express.js, React.js, Node.js, JWT, and Tailwind CSS with secure, role-based dashboards for patients, doctors, and administrators.
- Streamlined hospital operations by automating appointment scheduling, patient record management, and real-time doctor-patient communication, ensuring seamless and secure healthcare workflows.
- Designed a responsive, cross-device compatible UI with interactive forms, detailed modals, and analytics-driven admin tools for efficient user and appointment management while ensuring patient data privacy and compliance.

Farmify   *(Frontend, ML)*

- Developed "Farmify", a web-based AI tool addressing crop selection and plant disease detection using Machine Learning and Deep Learning.
- Trained a Random Forest model on 2,200+ samples (soil, pH, climate data) for crop prediction with 95% accuracy, improving yield efficiency.
- Built a CNN-based disease detection model (90% accuracy) and integrated YOLOv8 and a multilingual RAG chatbot using Flask, TensorFlow, scikit-learn, and JavaScript.

Achievements

- Ranked 4685 globally in TCS CodeVita Season 12.
- Successfully completed Round 2 of Adobe India Hackathon 2025, ranked among the top 100 teams.
- Submitted 40+ pull requests to a MERN stack project and a Python-based data analysis tool, adding new features and fixing bugs identified by senior developers during GirlScript Summer of Code 2024.

Extra-Curricular Activities

- Served as a Technical Team member of VITronix Club, VIT Bhopal.
- Solved 300+ problems across *LeetCode* and *GeeksforGeeks*, strengthening algorithmic thinking and hands-on DSA proficiency.