

Mahatavkanshi Saini

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github.com/Mahatavkanshi

Professional Summary

Final-year B.Tech Computer Science student with a strong foundation in full-stack web development and Data Structures & Algorithms.

Skills

Languages: C, C++, Python, JavaScript

Web Development: React.js, Node.js, Express.js, Django, Tailwind, Bootstrap, REST APIs

Databases & Cloud: MongoDB, MySQL, Firebase

Tools & Platforms: Git, GitHub, Postman, Replit

Deployment & DevOps: Render, Vercel

Problem Solving: Data Structures, Algorithms, LeetCode, Codeforces, Coding Ninjas, Take U Forward

Technical Projects

Hostel Outpass Management System – Full-Stack Web Application

- Tech Stack: React (TypeScript), Node.js, Express.js, MongoDB, HTML, CSS, JavaScript
- Developed a secure platform enabling student sign-up, warden verification, and outpass management.
- Integrated geolocation tracking for late students with automated email alerts.
- Enabled gatekeeper return logging with real-time timestamps.

Code Reviewer – AI-Powered Code Analysis Tool

- Tech Stack: Node.js, Express.js, HTML, CSS, JavaScript, Google Gemini API
- Built an AI-based platform to review code, detect errors, and suggest optimized alternatives.
- Integrated Gemini API for detailed explanations and efficiency improvements.

Experience

Full Stack Developer Intern – IIT Roorkee (Farmicon)

Jun 2025 – Present

- Developed hostel outpass system for 100K+ users with role-based access.
- Implemented geolocation tracking and late-student email notifications.
- Optimized backend with MongoDB aggregations, improving API response times by 35%.

Full Stack Developer Intern – Microsoft Training Academy

Apr 2023 – Jun 2023

- Built UI/UX for a Grocery App and a Daily Motivation Page.
- Developed a basic e-commerce site with advanced features.

Achievements & Certifications

- Winner, DIT Hackathon (1st year), 1st out of 15+ teams.
- Participant, Manthan Hackathon 1.0 & 2.0, Samadhan 2022.
- Former Member, TRAIC (COER Innovation Committee – IoT, Robotics, Software).
- Certified: Intro to Web Development (Infosys), Web Development (Microsoft Technology Associate).

Education

B.Tech, Computer Science, College of Engineering Roorkee – 7th Semester

2022 – 2026

Class 12, India Today Convent Academy, Saharanpur – 90.4%

2021

Class 10, India Today Convent Academy, Saharanpur – 76%

2019