

# Manas Tiwari

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<https://github.com/MNS-R5>

## PROFILE

I am a skilled full stack developer with experience in both frontend and backend technologies. I specialize in building end-to-end applications that deliver smooth and reliable user experiences. With strong knowledge of React and Node.js, I can design, develop, and maintain complete applications while focusing on clean code and practical problem solving.

## PROJECTS

### GitHub Replica with Custom Version Control | MERN + AWS

- Designed and implemented a GitHub-like platform using MongoDB, Express.js, React.js, Node.js with a custom version control system supporting init, add, commit, push, pull, and revert.
- Built a CLI tool integrated with backend APIs for repository and commit lifecycle management.
- Deployed backend on AWS EC2, utilized AWS S3 for distributed commit storage, and applied AWS IAM for secure access control.
- Enabled commit history tracking, rollback functionality, and staging area simulation, ensuring reliability and scalability.

### Smart Digital Coaching Platform for Disaster Management & Recovery.

- Built during a disaster management hackathon with my team, Full Stack Frenzy. We created a digital coaching platform with an AI search engine that helped first responders find important information faster and access crucial data quickly.
- Developed an easy-to-use React.js interface and scalable Node.js/Express.js APIs for login, data access, and real time updates, and improved overall API speed through better caching.

## Technical Achievements

- **Hackathon Semi-Finalist** – Successfully designed the Smart Digital Coaching Platform for Disaster Management & Recovery. Contributed to frontend and backend development, optimizing system performance and integrating realtime AI-driven recommendations.
- **Competitive Programming** – Solved 400+ problems on GeeksforGeeks and LeetCode, improving problem solving skills and algorithmic proficiency in Data Structures and Algorithms (DSA) using C++.

## TECHNICAL SKILLS

**Frontend Development:** React Js | HTML | CSS | JavaScript

**Backend Development:** Express Js | Node Js | MongoDB

**Library Framework:** Tailwind | Bootstrap | Axios

**Tools:** GitHub | Docker | Firebase | Postman | AWS

**Coding Profiles:**

- **GeeksforGeeks:** [https://www.geeksforgeeks.org/user/include\\_me\\_dot\\_h/](https://www.geeksforgeeks.org/user/include_me_dot_h/)
  - **LeetCode:** [https://leetcode.com/u/include\\_me\\_dot\\_h/](https://leetcode.com/u/include_me_dot_h/)
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## EDUCATION

**Masters in Computer Application**

- Pursuing MCA from DIT University, Dehradun • 2024-2026
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