

Adhiraj Singh

Dynamic software developer, excelling in MERN Stack.

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Adept at project management and system debugging, I deliver innovative solutions that enhance user experience. My strong foundation in data structures and algorithms drives efficient coding practices, ensuring high-quality results in every project.

Projects:

Social Media Master [Live Link](#) || [Github Link](#)

Built a full-stack social media web application using the MERN stack with secure user authentication, profile management, post and reel uploads via Cloudinary, real-time chat, user search, and interactive features such as likes and comments, with a responsive React UI and scalable RESTful APIs developed using Node.js, Express, and MongoDB.

Convoy-Command-Unit [Live Link](#) || [Github Link](#)

Designed and implemented a low-power, non-GPS asset tracking system to address logistical and security challenges in EV battery swapping networks. Reduced dependence on power-intensive GPS, enabling a cost-effective monitoring solution for depots and service stations. Enabled real-time proximity reporting and automated tamper detection to secure thousands of high-value EV battery packs.

Cloud-Implementation on RISC-V [Github Link](#)

Developed a cloud-based implementation project on the RISC-V architecture using Python, focusing on executing and simulating RISC-V instructions in a cloud environment, optimizing resource usage, and demonstrating scalable processing through remote compute infrastructure.

Technical Experience:

- Developed multiple websites using MERN stack
- Built REST APIs, authentication modules
- Created dashboards, integrated databases, deployed on cloud

Core Skills:

Technical Skills: HTML, Tailwind CSS, JS, PYTHON, JAVA,C++, ReactJS, ExpressJS, MongoDB, NodeJS, SupaBase, Git, GitHub, DSA, DBMS, OS, Computer Networks, System Design, SQL, Django, Flask-API

Soft Skills: Leadership, Teamwork, Problem Solving, Adaptability

Education:

BMS Institute of Technology & Management

[2023 - Present]

Bachelor of Engineering in Electronics and Telecommunication

ISC(XII) Shri J.N. Shah Inter College

[2022]

ICSE(X) Shri J.N. Shah Inter College

[2020]

Achievements:

• **National Level Hackathon Winner [Dec - 2025]**

Developed **Hawkroute**, a DefenceTech convoy intelligence system for coordination, route planning, and real-time decision support secured **Overall Runner-Up** and **Best Software Team Award**.

• **HACKHZARDS '25**

Secured **Top 100** among 2,900+ teams; designed a **low-power, non-GPS EV battery asset tracking system** enabling cost-effective monitoring, real-time proximity reporting, and automated tamper detection for battery swapping networks.

• **State Level Basketball Player**