

SAURABH VERMA

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Education

National Institute of Technology Jamshedpur (MCA) Master of Computer Application CGPA: 7.31	Jamshedpur, JH, India 2022-2025
Jagran Institute of Arts, Science and Commerce (BCA) Bachelor of Computer Application	Kanpur, UP, India 2018-2021
Mary Jesus Education Center Senior Secondary	Kanpur, UP, India 2016- 2017

Skills

- **Programming:** C, C++, Javascript
- **Web Development Technologies:** React.js, Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, Socket.IO, WebRTC
- **Tools :** VS Code, Git/GitHub, Postman, Figma
- **Coursework:** DBMS, OOPS, Data Structures and Algorithms, SQL

Projects

Doubt Buster | Next.js, Express.js, Node.js, Tailwind CSS, MongoDB, WebRTC, Socket.io, Feb 2024 - Apr 2024
Link : [DoubtBuster](#)

- The Doubt Solver enables, **one-to-one doubt resolution for students** through expert guidance with expertise in multiple domains.
- Our platform have 50+ users interacting with features provided **video calls, whiteboard, code editor, screen sharing** and **messaging**.
- Achieved **50% Faster** performance using **Next.js Node.js, Express.js, WebRTC, Socket.IO, MongoDB**, handling up to **100+ sessions**.

ChainVault | MERN, Tailwind CSS, Solidity, Ethereum, Blockchain, IPFS, Ether.js, MetaMask Oct 2023 - Dec 2024
Link : [ChainVault](#)

- A **full-stack blockchain Application for institutes, issuing certificates** to 10,000+ students, securely stored on **IPFS**.
- Streamlined **government approvals** for 500+ courses, ensuring accreditation efficiency.
- Engineered intuitive **verification**, reducing processing time by 50% for institutes and government entities.

Sketch.IO | React.js, Express.js, Node.js, MongoDB, Socket.io Jan 2024 - Feb 2024
Github Link : [Sketch.IO](#)

- Engineered a highly interactive, **real-time multi-user drawing and guessing game** using the MERN stack and Socket.IO, capable of supporting up to **8 concurrent users per room**.
- Integrated **seamless real-time chat-support for user interaction**.
- Developed a **responsive** and **interactive drawing canvas**, optimizing server performance for low latency and 95% uptime.

Achievements

- Proven problem-solving skills through DSA question-solving on different coding platforms like [LeetCode](#) and [GeeksForGeeks](#).
- Participated in **Smart India Hackathon**, Achieved the **top 3** ranking out of 30+ participant teams in the Internal hackathon.

Leadership / Extra-curricular

Badminton Team, URJA Annual Sports Fest Summer 2023
• Participated in a badminton tournament, where our team secured 2nd place among 8 competing teams.