

# Ayush Singh

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## Summary

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Results-driven MERN Stack Developer with strong expertise in frontend technologies including React.js, HTML, CSS, and JavaScript. Skilled in building scalable RESTful APIs and efficient backend services using Node.js and Express.js. Proficient in database management with MongoDB. Solid foundation in Data Structures and Algorithms and problem-solving using C++. Dedicated to delivering high-quality, maintainable code and continuously learning emerging technologies.

## Technical Skills

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- **Languages:** C++, JavaScript, Python, C
- **Frontend:** React.js, Next.js, HTML, CSS, Tailwind CSS
- **Backend:** Node.js, Express.js, REST APIs, JWT
- **Database:** MongoDB, Mongoose, SQL
- **Tools:** Redux Toolkit, Git, GitHub, Postman, Netlify, Render

## Projects

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### Learn-Academy – LMS (Full Stack MERN Project)

[GitHub](#) — [Live Demo](#)

- Designed and implemented a full-featured Learning Management System (LMS) using the MERN stack.
- Enabled users to browse, purchase, and enroll in online courses with a seamless experience.
- Integrated secure authentication, payment gateway, and MongoDB-based progress tracking.

### Connectly – Real-Time Chat App (MERN Stack, WebSocket, Socket.IO)

[GitHub](#) — [Live Demo](#)

- Developed a real-time chat application using WebSocket for low-latency messaging.
- Enabled 1-to-1 chat using Socket.IO and implemented user authentication.
- Implemented online/offline user presence tracking with MongoDB-based chat history storage.

## Education

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### Techno India University (7.8 CGPA)

Sep. 2022 – May 2026

*Bachelor of Technology in Computer Science*

Kolkata, West Bengal

### National High School (88%)

2018 – 2019

*Secondary Education*

Kolkata, West Bengal

### National High School (84%)

2019 – 2021

*Higher Secondary Education*

Kolkata, West Bengal

## Achievements

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- Solved 300+ Data Structures and Algorithms problems across LeetCode and GeeksforGeeks.
- Built and deployed multiple full-stack MERN applications.
- Strengthened problem-solving and debugging skills through real-world projects.