

ADITYA RAJ

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🌐 [Linkedin](#)

📁 [Portfolio](#)

PROFESSIONAL SUMMARY

Information Technology undergraduate with strong problem-solving skills and a solid foundation in Data Structures and Algorithms and Object-Oriented Programming. Experienced in full-stack web development using React.js, Node.js, Express.js, and MongoDB. Passionate about software development and continuous learning, with the ability to collaborate effectively in agile environments to build efficient and scalable solutions.

EDUCATION

Chandigarh Engineering College

B.Tech-IT - SGPA - 7.46

Aug 2023 – Present

Punjab, India

TECHNICAL COMPETENCIES

Languages: C++, Java, Python

Database: SQL , MongoDB

Frontend: HTML5 , CSS3 , JavaScript, React Js, Tailwind CSS

Tools: Git , GitHub , Postman , VS Code , Docker , AWS(ECS & ECR)

Backend: Node Js , Express Js

Core Concepts: Data Structures and Algorithms, Computer Networks, Object-Oriented Programming, Problem Solving, REST APIs, Authentication, Debugging, Agile Methodology

Networking: TCP/IP, Routing Fundamentals, Switching Concepts, HTTP/HTTPS, DNS

PROJECTS

NexChat – Real-Time Chat Application [🔗](#)

Mar 2026–May 2026

- **Technologies Used:** React.js, Node.js, Express.js, MongoDB, Socket.io, JWT Authentication
- Developed a **real-time web-based chat application** enabling seamless one-to-one communication with instant message delivery. Implemented secure user authentication and efficient data handling to ensure low-latency performance. Designed a modern, responsive interface with a structured chat layout (sidebar, user search, and active chat window) for an enhanced user experience.
- Implemented real-time messaging functionality using **Socket.io** to enable instant, bidirectional communication between users with **minimal delay and efficient data transmission**.
- Designed and developed a secure user authentication system with proper session management, ensuring safe login, data protection, and controlled user access across the application.
- Built a **one-to-one chat system with real-time message synchronization**, ensuring messages are delivered, stored, and displayed instantly without requiring manual refresh.

Web-Based Event Management Application [🔗](#)

April 2025 – May 2025

- **Technologies Used:** HTML5, CSS3, JavaScript, Node.js, MongoDB
- Designed and developed a **web-based event management application** to streamline event creation, registration, and management.
- Implemented features for **event listing, user registration, and event details display**, improving the overall event organization process.
- Built a responsive and user-friendly **frontend using Html5, CSS3, and JavaScript** to ensure smooth user interaction across devices.
- Developed backend logic using **Python/ Node.js** to handle event data, user requests, and form submissions.
- Ensured proper **form validation and error handling** to improve data accuracy and user experience.

ACHIEVEMENTS

- Maintain 7+ CGPA throughout my academics with no backlogs
- Solve 100+ Data Structure and Algorithm Problems on Leetcode