

AJAY KUMAR SAINI

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EDUCATION

Dr. B R Ambedkar National Institute of Technology Jalandhar **November 2021 – May 2025**
Bachelor of Technology, Computer science and Engineering, CGPA - 7.22, Attending Jalandhar, India

TECHNICAL SKILLS

Languages: C++, JavaScript, C, SQL, NoSQL, HTML, CSS

Technologies/Frameworks: ReactJS, NodeJS, ExpressJS, MongoDB, MySQL, Restful API implementation, Bootstrap

Developer Tools: GIT, GitHub, VS Code, Linux(Ubuntu)

Coursework: Data Structure and Algorithms, Object-Oriented Programming, Operating System, Database Management system, Computer Networks(TCP/IP), Software Engineering, Cloud Computing

WORK EXPERIENCE

Software Engineer Intern | [EMVETO - Email Validation Tool](#) | (2-07-2024– current) *ReactJs, JS, Tailwind CSS, Firebase Hosting, Cloud Functions*

- Developed and maintained a responsive frontend using **React.js**, **Tailwind CSS**, and **Firebase Authentication**, ensuring a seamless user experience.
- Implemented backend services with **Node.js** and **Express.js**, leveraging **Firebase Cloud Functions** for **scalable deployment**.
- **Deployed** frontend on **Firebase Hosting**, ensuring high availability and performance.

PROJECTS

[Connectify](#) | ReactJS, NodeJS, ExpressJS, MongoDB, Socket. Io, Electron |

Developed **Connectify**, a comprehensive chat application using the MERN stack.

- Implemented real-time messaging with **Socket.io** and ensured secure user authentication with **JWT tokens**. Designed and developed a **desktop application** using **Electron**, enhancing cross-platform accessibility.
- Engineered **end-to-end encryption** to ensure secure communication.

[Snap well](#) | **ReactJS, NodeJS, ExpressJS, MongoDB, HTML, CSS, JavaScript** | [Live](#)

- The **Doctor Appointment Website**, built on the **MERN** stack, incorporates role-based authorization for admins, users, and doctors. It utilizes **MongoDB** for backend storage and **React** for the frontend, hosted on renderer.

Student teacher communication system

(Reactjs, Nodejs, Mongodb, Css) (Jul 2023 - Mar 2024)

- Platform to connect Teachers and Students to communicate regarding Academic details.
- Teacher can assigned homework for students and can upload study material and students can see it.
- Utilized MongoDB for encrypted login user details and Node.js for backend communication.

CODING PROFILES

- [Leetcode Link](#) Solved **500+ problems**, Contest Rating is **2026**, 2 Month+ streak(consistency)
- [GeeksforGeeks Link](#) Solved **250+ problems** on Dynamic Programming, Trees, Graphs & other.
- [CodingNinja Link](#) Solved **150+ problems**

ACHIEVEMENTS

- [Striver SDE Sheet](#) Completed **200** problems of Data Structures and Algorithms from the **Striver SDE Sheet**.