

AVIRAL JAIN

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Education

The LNM Institute of Information Technology

May'21 - Present

Bachelor of Technology, Computer Science & Engineering

Coursework: Operating System, Computer Networks, Database Management System, Computer Security, Data Structure and Algorithm

Experience

Summer Intern | Housing.com

Key Skills: JavaScript, React.js, Jest, Unit Testing, React Testing Library

July'24 – Sept'24

- Actively contributed to developing and maintaining user-centric web applications for Housing.com using React.js and JavaScript.
- Collaborated with senior developers to write and maintain reliable unit test cases using JEST and React Testing Library.
- Performed unit testing to ensure each component renders correctly, achieving comprehensive statement, branch, and function coverage.
- Ensured robustness and reliability of components through thorough testing and validation processes.

Project

Code Manager | [Github Link](#)

- Developed a comprehensive backend using the **MERN stack** (MongoDB, Express.js, Node.js) to support robust interactive experiences which is able to handle a load of 100+ users.
- Implemented secure user authentication with **JWT** (JSON Web Token) to manage user sessions and ensure data privacy.
- Integrated **real-time chat** functionality using **Socket.IO**, allowing instantaneous communication upto 10+ people at the same time.

EduConnect | [Github Link](#)

- Developed a user-friendly and interactive UI for educators and learners that is developed over dynamic and responsive user interfaces using ReactJS.
- Implemented RESTful API calls for smooth communication between the front-end and back-end.
- Integrated user authentication to ensure secure access to courses which is developed over course creation and consumption functionalities.

Course Registration and Time table generation | [Github Link](#)

- Develop a user-friendly website for student course registration during each semester, optimizing the selection and registration process within specific timeframes.
- Utilized the MERN (MongoDB, Express.js, React.js, Node.js) stack for robust and scalable development.
- Design an efficient algorithm for generating student timetables in the context of a course registration platform.

Technical Skills and Soft Skills

- **Programming Languages:** C, C++, SQL, JavaScript
- **Tools and Software:** ReactJS, Tailwind, CSS, HTML, Jest, NodeJS, MongoDB, MySQL, ExpressJS, Git, Github, Postman, Object Oriented Programming Language, Database Management System, Computer Networks, NextJS.
- **Strong analytical and articulation skills**, coupled with fluent and efficient communication.

Leadership and Certificates

- **Coordinator Counselling and Guidance Cell**, led a team of 40 members to guide new batch of around 450+ students through orientation and induction programme.
- **Public Relation Head at VIVACITY**, invited around more than 100 colleges to participate at the annual cultural fest of the college.
- **Team Event, TORQUE'23**: Secured 1st position among more than 50 participating teams.