

TECHNICAL SKILLS

- **Languages** – Java | C++ | JavaScript | TypeScript
- **Technologies** – React.js | Express.js | Node.js | Redux | MongoDB | MySQL | HTML | CSS | Tailwind CSS | APIs | Zustand | ZOD
- **Concepts** – Full Stack Development | Data Structures & Algorithms | Operating System | Computer Networks | Database Management Systems | Design and Analysis of Algorithms
- **Development Tools** – GIT | GitHub | VS Code | NeoVim

WORK EXPERIENCE & PROJECTS

Study Notion – Online Ed-Tech Platform Currently Working | [GitHub](#)

- Tech Stack – React, MongoDB, Node.js, Express.js, Reudx-Toolkit, zod, Razorpay API
- Developed a comprehensive online platform for students and instructors to access, create and enroll in educational courses.
- Developed a RESTful backend with Node.js and Express.js for managing courses, user profiles, and purchase histories and many more.
- Built secure user authentication and authorization workflows using JWT, ensuring data protection for users.
- Integrated Razorpay API for smooth and secure payment processing, achieving a 98% successful transaction rate.
- Conducted comprehensive testing on a wide range of devices, including smartphones and tablets, to guarantee seamless functionality without any critical bugs or malfunctions.

Chit Chat – Real-Time Chat [Live](#) | [GitHub](#)

- Tech Stack – React, Node.js, Express.js, MongoDB, DaisyUI, Zustand, Socket.io
- Designed an intuitive and responsive user interface using React and DaisyUI, improving user engagement by 40%.
- Implemented real-time chat functionality with Socket.io, supporting instantaneous messaging for over 100 concurrent users.
- Developed a scalable backend with Node.js and Express.js to manage user authentication, chat rooms, and message history.
- Managed frontend state effectively with Zustand, reducing complexity and enhancing application performance by 25%.

Portfolio Website [Live](#) | [GitHub](#)

- Created a visually appealing and responsive portfolio to highlight personal projects, skills, and experience as a full-stack developer.
- Conducted usability testing resulting in a high satisfaction rating of 84.2% from users, indicating the website's user-friendliness.
- Implemented smooth navigation and dynamic content rendering to improve usability and interactivity, incorporated animations, and transitions to create a polished and professional look, increasing user engagement by 40%.

Pen Studio – CodePen Clone [Live](#) | [GitHub](#)

- Developed a lightweight code editor to allow users to write and preview HTML, CSS, and JavaScript in real-time.
- Built the interface from scratch using raw HTML, CSS, and JavaScript, ensuring a responsive and intuitive user experience.
- Implemented live preview functionality for real-time rendering of user-written code.

FUNCTIONAL AREAS

- |                        |                         |                            |
|------------------------|-------------------------|----------------------------|
| • Software Development | • Problem Solving       | • Collaboration & Teamwork |
| • Database Management  | • Software Architecture | • Software Documentation   |

EDUCATION

- **B.E. Computer Science & Engineering** July 2020 – June 2024  
**Chandigarh University – 7.74**  
Operating System    Computer Networks    System Design    Software Testing