

# RUDRANSH SINGH ATHWAL

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## EDUCATION

### Bachelor of Technology in Computer Science and Engineering

Nov 2022- Jun 2026

National Institute of Technology, Hamirpur

**Relevant Coursework:** Data Structures and Algorithms, Object Oriented Programming, Operating Systems, Computer Networks, Software Engineering, Relational Database Management Systems, Theory of Computation, Compiler Design

## SKILLS

### Languages & Markup

JavaScript (ES6+), TypeScript, HTML5, CSS3

### Frameworks and Libraries

React.js (Hooks, Context API), Redux, React Router, Axios, Next.js, Tailwind CSS

### Tools & Platforms

Git/GitHub, Chrome DevTools, VS Code, Postman, Figma

### Backend & Databases

Node.js, Express.js, RESTful APIs (JSON), MongoDB, MySQL

### Other

Responsive and Accessible Design (WCAG familiarity), Component-based Architecture, State Management, SEO, Performance Optimization, Analytics

## EXPERIENCE

### Co-ordinator

Dec 2023 - Present

Team .EXE

*NIT Hamirpur*

- Masterminded innovative initiatives and curated standout projects for the Annual Tech Fest, Nimbus, elevating the club's reputation through strong project management and creative vision
- Collaborated with cross-functional teams to implement responsive design techniques, resulting in a **60% improvement** in mobile traffic and boosting overall site **conversion rates by 15%**

### Web Developer

Mar 2024 - Feb 2025

Department of Computer Science & Engineering, NIT Hamirpur

*NIT Hamirpur*

- Led a team of 3 React developers using **Agile workflows** to build and maintain the CSE Department website, driving a **20% uplift in user engagement**
- Developed and executed a comprehensive SEO strategy for the official department website, resulting in **40% increase** in organic traffic and a **25% boost** in lead generation metrics, demonstrating expertise in performance optimization
- Streamlined the onboarding process for junior developers by creating a comprehensive training program, resulting in a **50% reduction** in ramp-up time and enabling seamless website maintenance across a **team of 8**, fostering component-driven development principles

## PROJECTS

### Official Website of CSE Department, NIT Hamirpur

[\(Live link\)](#)

*Next.js, React.js, Tailwind CSS, Node.js, MySQL, VS Code, Figma, Illustrator*

- Authored reusable React components (functional with Hooks) to translate Figma UI/UX designs into production-ready code, accelerating development **velocity by 40%**
- Collaborated with backend team via **Git/GitHub** and **Postman-tested RESTful APIs** to ensure seamless data flow and state synchronization
- Architected RESTful API integrations using Node.js and Express.js, establishing seamless data exchange between frontend and backend services to improve application **responsiveness by 25%**

### Club Website: Team .EXE, NIT Hamirpur

[\(Live link\)](#)

*React.js, Next.js, Figma, Tailwind CSS, Firebase, Framer Motion, Git/GitHub*

- Created an intuitive and visually appealing **UI design** for the website, integrating interactive features and seamless navigation, culminating in **10% surge** in user engagement
- Architected component hierarchy and state management using React Context API and Redux for scalable UI state control

### Fintrack

[\(Live link\)](#)

*React.js, Next.js, TailwindCSS, shadcn, JavaScript, Figma, MongoDB, Git/GitHub*

- Built a responsive personal-finance web app with Next.js, React.js, and Tailwind CSS, implementing **SSR and client hydration** to reduce **first-load time by 40%**
- Orchestrated the design and construction of Next.js API routes utilizing MongoDB (Atlas), enabling efficient management of **5,000+ transactions** and delivering aggregated monthly spend queries in **under 200ms**
- Engineered a high-quality, production-ready application, achieving exceptional **Lighthouse** audit scores of **98 in Performance**, **90 in Accessibility**, and **100 in both Best Practices and SEO**

## ACHIEVEMENTS

- Garnered accolades from the **Director, NIT Hamirpur** and **HoD, CSE** due to significant input in creating an innovative website for the **CSE Department**, highlighting strong teamwork skills while managing diverse roles among six colleagues [\(Credentials\)](#)