

Harsh Raj

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EDUCATION

Jaypee University of Information Technology

Bachelors of Technology in Computer Science; CGPA: 8.8

Solan, HP

July 2021 - May 2025

Central Board of Secondary Education

Class XII PCM Percentage : 82.6

Patna , Bihar

April 2020 - March 2021

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, C++, C, Python

Libraries/Frameworks: React, Node.js, Express.js, MongoDB, Firebase, Redux, Next.js, Prisma, GitHub, MATLAB, Postman, Tailwind CSS, Redux Thunk

PROJECTS

E-Stay (Full Stack Reservation System)

[GitHub Link](#)

Demo Link

- Orchestrated multi-authentication (**Credential, Google, Github**), **Cloudinary**-powered image upload, and seamless UI experiences (**react-hook-form, react-toast, react-date-range**) in a robust
- Advanced Property Search Algorithm:** Engineered dynamic filters for category, date, location, and accommodations, refining property results.
- Mastered **Prisma** for efficient POST/DELETE routes, direct server-to-database React data fetching, and expertly handled **Next.js 13** templates (error.tsx, loading.tsx).

StudyNotion (LMS Platform Backend)

[GitHub Link](#)

Demo Link

- Implemented advanced security measures, including **JWT token-based authentication**, integrated **Cookie Parser**, and **OTP validation**.
- Collaborated seamlessly, establishing streamlined communication through **RESTful API calls**, while engineering and developing robust backend functionalities using **NodeJS** and **ExpressJS** frameworks
- Integrated with **Razorpay** for payment processing, while ensuring a robust backend capable of supporting over 200 courses and accommodating multiple instructors, along with an efficient Admin Panel.

E-Com (Shopping Platform)

[GitHub Link](#)

Demo Link

- Skillfully employed MongoDB as a flexible and scalable database solution, coupled with **Redux, Passport.js, JWT Tokens**, and other technologies to create a secure, organized, and efficient application structure.
- React Router with Pagination and Sorting:** Implemented **React routing** seamlessly integrated with **pagination and sorting**, enhancing user navigation and data organization.
- Received a GT Metrix performance check result: Fully Loaded Time of 6.0s with an LCP of **693** ms.

LEADERSHIP RECOGNITION

Vice President SIAM , JUIT

- Organized events, including Vedic Maths, with the participation of more than 200 students
- Worked on 3+ frontend web development projects using React.JS for various events

CERTIFICATES

- React JS Front-End Developer (Infosys SpringBoard)
- Associate in IT Foundation Skills Python (Infosys SpringBoard)