

# ADITYA KUMAR SINGH

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## EDUCATION

Indian Institute of Information Technology Bhagalpur

Nov 2022 - Jul 2026

Bachelor of Technology in Electronics and Communication Engineering

Bhagalpur, Bihar

Grade: 8.43 (latest), 7.78 (overall)

## TECHNICAL SKILLS

**Languages:** JavaScript, Java, C, C++, Python, HTML, CSS

**Backend:** Node.js, Express.js, GraphQL, Prisma, REST APIs, JWT, OAuth, Socket.IO, Cron, DevOps

**Frontend:** React.js, Zustand, Tailwind CSS

**Databases & Cloud:** MongoDB, PostgreSQL (Neon), AWS S3, AWS EC2, AWS CloudFront, Cloudinary, SQL

**DevOps & Tools:** Git, GitHub, Postman, VS Code, Render, Vercel, Cloudflare, Jest

**CS Fundamentals:** Data Structures and Algorithms, OOPS, DBMS, Operating Systems, Computer Networks

## EXPERIENCE

1StopMandi (Govt. of Bihar-funded Startup)

May 2025 – Jul 2025

Full Stack Development Intern

Remote

- Architected **backend infrastructure** using **Node.js, Express, and MongoDB**, delivering **20+ secure REST APIs** for core marketplace operations, enhancing backend stability by **40%**.
- Integrated services like **Razorpay** and **Cloudinary**, boosting transaction reliability and image handling speed by **35%** while reducing manual review time by **20%**.
- Partnered with the frontend team to link **React** interfaces with APIs, cutting UI latency by **25%**.

## PROJECTS

CheckPoint

Mar 2025 – Present

Node.js, Express.js, MongoDB, React.js, REST APIs, JWT, Cloudinary, Git, Tailwind CSS

- Developed a full-stack **Letterboxd-style gaming platform** enabling users to **log, rate, review, and wishlist games**, elevating engagement and session time by **70%**.
- Implemented an interactive **game explorer dashboard** aggregating global **player reviews, completion times, pricing, and platform availability**, enhancing discovery efficiency by **40%**.
- Constructed **personalized user dashboards** with real-time synchronization for **reviews, favorites, and activities**, improving interaction by **25%**.
- Formulated scalable **REST APIs** using **MongoDB aggregation, JWT authentication, and Cloudinary integration**, trimming backend latency by **30%** and onboarding by **50%**.

LiveConnect

July 2025 – Sep 2025

React.js, TailwindCSS, DaisyUI, Zustand, Node.js, Express.js, MongoDB, Socket.IO, JWT, bcrypt

- Devised a **real-time messaging system** powered by **Socket.IO** for instant updates, presence tracking, and multi-room communication, minimizing latency by **40%**.
- Structured a modular **backend service layer** with **Express.js** and **Node.js**, ensuring consistent API behavior and simplifying frontend data flow.
- Designed a **responsive interface** with **TailwindCSS & DaisyUI**, boosting engagement and cross-device usability by **35%**.
- Enabled **media sharing support**, allowing users to exchange images alongside text for richer conversations.
- Adopted **Zustand** for state management, reducing redundant re-renders and improving app responsiveness by **25%**.
- Integrated **Cloudinary** for profile image uploads and updates, elevating personalization and user experience.

## ACHIEVEMENTS

- Knight** on **LeetCode** with a contest rating of **1850+**, ranking in the top **6% globally**.
- Pupil** on **Codeforces**, with **500+ problems** solved across competitive programming platforms.
- Reached **Semi-Finale** of Flipkart GRIID 7.0 Software Development Challenge
- Completed the **Accenture Developer & Technology Simulation** (Forage)
- Earned **Cisco's Cybersecurity Certification**, gaining hands-on exposure to **API integration, agile methodologies, and network safety**.
- Contributed to open-source projects, refining documentation and issue-tracking workflows.
- Chosen for the **Smart India Hackathon** (2024, 2025) for creating a **chatbot-based ticketing system** and an **IDMS of Chemical & Petrochemical Sector**.
- Secured **3rd place** in college hackathon for a **Bihar Tourism Website** promoting regional culture and travel.