# Kanhaiya Mandal

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## Education

**Indian Institute of Information Technology Ranchi**　　　　　　　　Ranchi, Jharkhand
Bachelors in Computer Science and Engineering *GPA: 8.44/10*　　　　　　　2023 - 2027

## Skills

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|---|---|
| Programming Languages: | C, C++, Python, JavaScript |
| Web Development: | Full-stack development, RESTful APIs, Frontend (HTML5, CSS3, React.js, Next.js, TailwindCSS), Backend (Node.js, Express.js) |
| Concepts: | Data Structures and Algorithms, Object-Oriented Programming (OOP), Operating Systems (OS), Database Management Systems (DBMS), Version Control (Git) |
| Libraries / Frameworks: | Next.js, React.js, Bootstrap, Node.js, Express.js, Shadcn UI |
| Tools / Platforms: | Git, GitHub, Firebase, Figma, Postman, Vercel |
| Databases: | MongoDB, PostgreSQL, MySQL |

## Projects

**Mentora: AI Career Coach | Live Link | GitHub**　　　*Next.js, Prisma, Gemini API, PostgreSQL*

- Built a full-stack AI-powered career coaching platform using **Next.js** (App Router), **Prisma ORM**, and **ShadCN UI** for a modern, responsive UI
- Integrated **Gemini API** to generate tailored resumes, cover letters, and interview preparation content from user inputs and templates
- Implemented secure authentication and user session flows using **Clerk**, and managed user data through Prisma ORM connected to Neon DB (PostgreSQL)
- Built a real-time markdown resume editor with live PDF export functionality using html2canvas, jsPDF and @uiw/react-md-editor
- Implemented scheduled weekly updates using **Inngest** and Gemini API to automatically generate and store career-related data insights in PostgreSQL via Prisma

**CinePass: Movie Ticket Booking | Live Link | GitHub**　　　*React.js, Node.js, Express.js, MongoDB*

- Built a full-stack movie ticket booking app using **MERN** stack with **Trakt API** integration to browse trending movies and book tickets via **Stripe**
- Integrated **Clerk** authentication for secure user login, sign-up, and protected routes across the app
- Developed an **admin** panel for managing movies and shows, including the ability to add new movies, schedule showtimes
- Automated email notifications using **Nodemailer** and **Inngest** — sent on booking confirmation, 8-hour showtime reminders, and when a new movie or show is added
- Structured the project with **RESTful APIs**, React Router, Axios, and webhook handling via **Svix** for scalable and maintainable architecture

**SubTracker: Subscription Tracker | Live Link | GitHub**　　　*Node.js, Express.js, MongoDB*

- Developed a **backend service** using Node.js, Express, and MongoDB to help users track recurring subscriptions and receive timely renewal alerts, secured with **JWT-based authentication** for protected signup, login, and subscription access
- Implemented a robust **email notification system** using **Nodemailer** with rich HTML templates, enhancing user engagement and delivering clear renewal alerts
- Integrated **Upstash Workflow** to automate email reminders scheduled at 7, 5, 2, and 1 day(s) before subscription renewal dates
- Strengthened API security by adding **rate limiting** and **bot protection** using **Arcjet**, effectively preventing abusive access patterns and safeguarding all endpoints from spam and DDoS attacks

## Achievements

- Qualified **Smart India Hackathon(SIH)** in the internal round.
- Solved **200+** coding challenges on platforms like Codeforces, Codechef, and Leetcode.