



Abhishek Mandal

Roll No.: 2022UG2021

Bachelor of Technology (ECE)

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🌐 LinkedIn Profile 🌐 Portfolio

EDUCATION

- **Indian Institute of Information Technology Ranchi** **CGPA: 7.0**
Bachelor of Technology (B.Tech) in Electronics and Communication Engineering 2022 - 2026
- **DAV Public School, Bistupur** **Percentage: 79%**
Senior Secondary (Class XII), Central Board of Secondary Education (CBSE) 2021
- **Motilal Nehru Public School, Jamshedpur** **Percentage: 94%**
Secondary (Class X), Indian Certificate of Secondary Education (ICSE) 2019

TECHNICAL SKILLS AND INTERESTS

Languages: C++, C, Typescript, JavaScript(ES6+)

Frontend: React.js, Redux Toolkit & Persist, HTML5, CSS3, Tailwind CSS, Bootstrap, Material UI, Shadcn/ui

Backend: Node.js, Express.js

Databases: SQL, MySQL, MongoDB, Mongoose

Templating Engines: EJS

Developer Tools & Technologies: Git, GitHub, RESTful APIs, Postman, ThunderClient, JWT, Vercel/Render, Cloudinary, Gemini API Integration, OpenAI API Integration, Vercel Serverless Functions

Core Subjects: Data Structures & Algorithms (DSA), Object Oriented Programming (OOPs), Database Management Systems (DBMS), Computer Networks

Areas of Interest: Competitive Programming, Full-Stack MERN Web Development

PROJECTS

- **NK Consultancy | CA Consultancy Platform** July 2025 - Present
Tech Stack: React, Node.js, Express.js, MongoDB, Tailwind CSS, Framer Motion, Clerk, Razorpay API, Cloudinary API
– Developed a full-stack **MERN** application to **automate my father's CA consultancy's workflow**, enhancing client communication and operational efficiency.
– Architected a secure, **role-based dual-dashboard** (Client & Admin) using **Clerk JWT** for authentication, featuring real-time status tracking and **KPI visualization**.
– Integrated **Razorpay API** for secure, server-verified payments and **Cloudinary API** with **Multer** for robust, cloud-based document management.
– Built a responsive and animated UI with **Tailwind CSS** & **Framer Motion**, visualizing analytics with **Recharts**; deployed on **Vercel** and **Render**.
- **Apex Hire | AI-Powered Interview Platform** Sept - Oct 2025
Tech Stack: React, TypeScript, Redux Toolkit & Persist, Vercel Serverless Functions, Gemini API, Shadcn/ui, Framer Motion.
– Architected an AI interview platform with a **React/TypeScript** front-end and **Vercel Serverless Functions** back-end, integrating the **Gemini API** for real-time resume parsing, answer evaluation, and a sortable candidate leaderboard with detailed reports (transcripts, scores, AI summaries).
– **Redux Toolkit with Persist** for seamless **session management** and **data persistence** across browser sessions.
– **React UI** with **TypeScript**, **Tailwind CSS**, **shadcn/ui**, and **Framer Motion** for a responsive user experience.
- **Tap In | Event Ticketing & Management Platform** June - July 2025
Tech Stack: React.js, Node.js, Express.js, MongoDB, Cloudinary, Multer, Razorpay, Gemini API, Tailwind CSS, Framer Motion
– Engineered a full-stack MERN event platform, developing a dynamic front-end UI with **React** and **Tailwind CSS**, and a robust back-end with **Node.js** for features like **role-based dashboards**, secured with **Clerk JWT** authentication.
– Developed a secure, real-time **QR code ticketing & verification system**, handling both the back-end logic and front-end implementation to prevent fraud and automate check-ins.
– Integrated the **Razorpay API** with server-side **cryptographic signature validation** for secure payment processing and used **Cloudinary/Multer** for asset management.
– Enhanced organizer efficiency with **AI-powered content generation** via the **Gemini API** and provided real-time event analytics visualized with **Recharts**.

ACHIEVEMENTS

- Finished with **Rank 3** in the college's internal round of **Smart India Hackathon** through teamwork.
- Solved over **200** problems in **Data Structures, Algorithms**, and **Competitive Programming** domain
- Ranked in the **top 20%** in college coding competitions.
- Rated **2-Star** on **CodeChef**

EXTRA-CURRICULAR ACTIVITIES

- **Member:** House of Geeks - Software Development Wing, IIIT Ranchi
- **Interests:** Fitness & Strength Training, Sketching & Digital Illustration, Miniature Model Making