Abhishek Mandal

Roll No.: 2022UG2021
Bachelor of Technology (ECE)
Indian Institute Of Information Technology, Ranchi

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EDUCATION

- **Indian Institute of Information Technology Ranchi** — *CGPA: 7.0*
  Bachelor of Technology (B.Tech) in Electronics and Communication Engineering — 2022 - 2026

TECHNICAL SKILLS AND INTERESTS

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

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

Backend: Node.js, Express.js, WebSockets

Databases: SQL, MySQL, MongoDB, Supabase

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

EXPERIENCE

- **CVNT Fashion & Apparel** — *Remote*
  Full Stack Developer Intern — Oct 2025 - Present
  - Architecting and engineering the entire e-commerce backend from scratch using Next.js (API Routes), Node.js, and Supabase (PostgreSQL).
  - Engineering secure, end-to-end user workflows by integrating Supabase Auth, integrating OTP, Google (Social) Login, and JWT-based session management and the Razorpay payment gateway with server-side webhooks.
  - Developing a complete suite of RESTful APIs for all core user (cart, checkout, profile) and admin (product CRUD, orders, shipping, coupons) functionalities.
  - Implementing Google Analytics and Google Tag Manager (GTM) to track user behavior and provide key metrics for performance marketing.
  - Building advanced features including a multi-channel Notify-Me system (Email/WhatsApp), wishlists, and customer reviews.

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*
  - Designed and built a responsive full-stack MERN application CA consultancy, architecting **RESTful APIs** in **Node.js**/**Express.js** to manage secure, role-based client and admin dashboards.
  - Engineered a secure authentication system with Clerk JWT and optimized **data models** for both **MongoDB (NoSQL)** and **MySQL (SQL)**, aligning with diverse data storage needs.
  - Integrated **Razorpay API** with server-side signature validation for secure payments and Cloudinary API for robust, cloud-based document management. Built a responsive and animated UI with Tailwind CSS & Framer Motion.

- **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.*
  - Engineered an **AI-native** interview platform, leveraging the **Gemini API** for advanced **AI prompting** to parse resumes, evaluate technical answers, and automate candidate reports.
  - Built a modern, responsive UI with **React** and **TypeScript**, deploying backend microservices using Typescript on **Vercel Serverless Functions**.
  - Implemented robust frontend state management with **Redux Toolkit & Persist** for seamless session persistence across browser sessions.

- **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*
  - Architected scalable backend services for a high-traffic event management platform using **Node.js** and **Express.js**.
  - Designed an efficient algorithm for a real-time QR code verification service, demonstrating an event-driven architecture to prevent fraud.
  - Built server-side **RESTful APIs** for user authentication, ticketing, and analytics, optimizing for performance. Built a dynamic and responsive UI with React.js and CSS, demonstrating strong frontend development skills.

ACHIEVEMENTS

- Finished with **Rank 3** in the college's internal round of **Smart India Hackathon** through teamwork.

- Rated **2-Star** on **CodeChef**