

Ronik Chatterjee

B.Tech (CST) — Full Stack Developer

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GitHub | LeetCode | LinkedIn

OBJECTIVE

Motivated Computer Science student with strong skills in full stack web development, seeking an entry-level software engineering role to apply hands-on project experience and problem-solving abilities.

EDUCATION

- **Narula Institute of Technology** Kolkata, West Bengal
B.Tech in Computer Science and Technology; CGPA: 8.8 Mar 2025
- **Canning Government Polytechnic** Canning, West Bengal
Diploma in Computer Science and Technology (WBSCTE); CGPA: 8.6 Jul 2023

PROJECTS

- **EchoBeats - Web Based Music Library** Live Demo | GitHub
 - Developed a web-based music library with responsive design and intuitive UI
 - Implemented custom playlist creation and search functionalities for enhanced user experience
 - Integrated Jamendo API for free music streaming with smooth playback controls
 - Tech Stack: HTML5, CSS3, JavaScript
- **Course Selling Prototype** Frontend | Backend
 - Built a full-stack course selling platform with separate frontend and backend servers
 - Implemented real-time like count functionality using Socket.io for live user engagement
 - Deployed frontend on Vercel and backend on Render for optimal performance
 - Tech Stack: React.js, Express.js, Socket.io, Node.js
- **Personal Portfolio Website** Live Demo | GitHub
 - Developed a modern, responsive portfolio showcasing projects and technical skills
 - Implemented **Progressive Web App (PWA)** capabilities for enhanced mobile experience
 - Optimized for **SEO** and **accessibility compliance** following web standards
 - Features smooth animations, mobile-responsive design, and optimized performance
 - Tech Stack: HTML5, CSS3, JavaScript, AOS Animation Library
- **URL Shortener Service [Under Development]** GitHub
 - Building a full-stack URL shortening service with secure user management system
 - Implementing **user authentication & authorization** using **JWT tokens**
 - Developing **role-based access control** with secure user sessions
 - Features include custom short URL generation, click analytics, and dashboard management
 - Tech Stack: Node.js, Express.js, EJS, MongoDB, JWT

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, Java, HTML5, CSS3, SQL
- **Frontend Technologies:** React.js, Redux Toolkit, Tailwind CSS, Responsive Web Design
- **Backend Technologies:** Node.js, Express.js, RESTful APIs, Socket.io, WebRTC
- **Databases:** MongoDB, MySQL, Mongoose ODM
- **Tools & Technologies:** Git, GitHub, VS Code, Vite, JWT, Bcrypt, Multer, Cloudinary
- **Core Concepts:** DSA, OOP, DBMS, CN, OS

ACHIEVEMENTS & CERTIFICATIONS

- **Programming Practice:** Practiced nearly 300 DSA questions on LeetCode within 90 days.