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
  BTech in Computer Science and Technology; CGPA: 8.8 — *July 2023 - June 2026*

- **Canning Government Polytechnic** — Canning, West Bengal
  Diploma in Computer Science and Technology (WBSCTE); CGPA: 8.6 — *July 2020 - June 2023*

PROJECTS

- **URL Shortener Service** [Under Development] — Live Demo | 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

- **Blog Spark - Full Stack Blogging Platform** [Under Development] — GitHub
  - Developing full-stack blogging platform with **MVC architecture** and **RESTful API design**
  - Implementing **user authentication**, **CRUD operations**, and **middleware-based security**
  - Building responsive UI with **server-side rendering** using EJS templates
  - Tech Stack: Node.js, Express.js, EJS, MongoDB, CSS3, JavaScript

- **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

- **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

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.