

# Niladri Chatterjee

## Software Developer

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GitHub: [github.com/niladri-1](https://github.com/niladri-1) | Portfolio: [www.niladri1.vercel.app](http://www.niladri1.vercel.app) | LinkedIn: [linkedin.com/in/niladri1](https://linkedin.com/in/niladri1)

### Education

**Bachelor of Technology – Bengal College of Engineering and Technology** July 2020 – June 2024

- Relevant Coursework: Computer Science, Data Structures, Algorithms, OOP, DBMS, OS, AI, ML
- CGPA: 8.48 | Percentage: 80%

**Higher Secondary (WBSC) – Birsingha Bhagabati Vidyalaya (H.S)** June 2018 – July 2019

- Relevant Coursework: Physics, Chemistry, Mathematics, Computer Science, English
- Percentage: 79%

### Skills

- **Programming Languages:** C++ (Advanced), Python (Intermediate), JavaScript (Advanced), SQL (Intermediate)
- **Frontend:** HTML5 (Advanced), Tailwind CSS (Advanced), React.js (Advanced), Next.js (Intermediate)
- **Backend:** Node.js (Advanced), Express.js (Intermediate), REST API (Advanced), WebSockets (Intermediate)
- **State Management & Tools:** Redux (Advanced), React Query (Intermediate)
- **Databases & Cloud Storage:** MySQL (Advanced), MongoDB (Advanced), Cloudinary (Intermediate)
- **Authentication & Security:** JWT Authentication (Advanced), OAuth (Intermediate), Liveblocks (Intermediate)
- **Version Control & DevOps:** Git (Advanced), GitHub (Advanced), Docker (Intermediate), CI/CD (Intermediate)
- **Software Development Principles:** Unit Testing (Intermediate), Data Structures & Algorithms (Advanced)

### Internships

**Full Stack Developer – Codecraft Infotech** January 2025 – February 2025

- Offer Letter: <https://niladri1.vercel.app/experience/codeCraft.pdf>
- Optimized a real-time document editor with Next.js, TypeScript, and Liveblocks, reducing latency by 30% and improved syncing
- Revamped a personal portfolio with 100+ UI components, improving performance by 40% and enhancing scalability

**Software Engineering Intern – Code Alpha** June 2024 – September 2024

- Certificate: <https://niladri1.vercel.app/experience/codeAlpha.pdf>
- Optimized a web application, resolving 98% of reported bugs and improving system stability
- Planned and implemented advanced UI/UX features, increasing front-end engagement by 40%

**Full Stack Development Intern – Bharat Intern** June 2024 – July 2024

- Certificate: <https://niladri1.vercel.app/experience/bharatIntern.pdf>
- Constructed fully responsive websites using React.js, Node.js, and MongoDB, boosting user interaction by 30%
- Engineered a money tracker app handling 1,000+ transactions, improving financial tracking accuracy by 25%

### Academic Projects

**Real-Time Chat Application – MERN Stack & Socket.IO** November 2024 – January 2025

- GitHub: <https://github.com/niladri-1/Chatting-app>
- Discovered a chat app with MongoDB, Express.js, and Node.js, implementing Socket.IO with a 50ms response time
- Integrated real-time updates with typing indicators, ensuring seamless user communication and reducing delays by 40%

**Real-Time Google Docs Clone – Next.js & Liveblocks** September 2024 – October 2024

- GitHub: <https://github.com/niladri-1/LiveDocs>
- Developed an interactive editor supporting 100+ concurrent users, integrating advanced real-time cursor tracking and editing
- Secured authentication with Clerk, ensuring robust data integrity and 93% uptime

**Real-Time Video Conferencing App – Next.js & Stream** June 2024 – August 2024

- GitHub: <https://github.com/niladri-1/Video-Conferencing-App>
- Developed a high-quality video conferencing app using Next.js, Stream and Clerk, supporting live streaming with 200ms latency
- Integrated real-time chat and screen-sharing functionalities for enhanced virtual meetings, increasing efficiency by 60%

**Real-Time Figma Clone – Next.js & Liveblocks** March 2024 – April 2024

- GitHub: <https://github.com/niladri-1/Figma-Clone>
- Implemented an interactive real-time collaboration tool using Next.js, React, and Liveblocks, improving design workflow by 35%
- Deployed object manipulation, version history tracking for improved design workflow and reducing errors by 25%

### Certificates

**Docker Training Course – KodeKloud** February 2025

- Certificate: [https://drive.google.com/file/d/1SpwW0lhvYJouWiREDYfz-N6hk9pT9hd/view?usp=drive\\_link](https://drive.google.com/file/d/1SpwW0lhvYJouWiREDYfz-N6hk9pT9hd/view?usp=drive_link)

**JavaScript – HackerRank** February 2025

- Certificate: [https://drive.google.com/file/d/1Dywr4rgTaCtKji6thOzt34xzuHWpygl/\\_/view?usp=drive\\_link](https://drive.google.com/file/d/1Dywr4rgTaCtKji6thOzt34xzuHWpygl/_/view?usp=drive_link)

**AWS Cloud Practitioner Essentials – Amazon Web Services** July 2023

- Certificate: [https://drive.google.com/file/d/10h7Xb0ubEgrah5bVuL8LxaggGpnR-Lfs/view?usp=drive\\_link](https://drive.google.com/file/d/10h7Xb0ubEgrah5bVuL8LxaggGpnR-Lfs/view?usp=drive_link)

### Achievements

- Completed 4 internships, contributing to 5+ projects with 90% successful deployments
- Earned a 5-star rating on HackerRank in C and Python, ranking in the top 5%
- Graduated B. Tech with an overall score of 80%, showcasing consistent academic excellence
- Architected a collaboration tool adopted by 10+ teams, enhancing workflow automation by 35%
- Earned AWS Cloud Practitioner & Docker certifications, demonstrating proficiency in cloud deployment