

# MD NAHID HASAN

Competitive Programmer — Software Engineering Enthusiast

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📍 Wari, Dhaka, Bangladesh

## PROFESSIONAL SUMMARY

Computer Science and Engineering student with strong full-stack development skills and competitive programming experience. Proficient in React.js, Next.js, Node.js, and TypeScript. Specializes in creating secure authentication systems, RESTful APIs, and responsive interfaces. Codeforces Specialist with demonstrated problem-solving abilities in algorithmic competitions.

## EDUCATION

<b>Jagannath University</b> <i>B.Sc. in Computer Science and Engineering</i>   <b>CGPA: 3.23</b>	<i>Dhaka, Bangladesh</i> <i>Jan 2020 - May 2025</i>
<b>Armed Police Battalion Public School and College</b> <i>HSC in Science</i>   <b>GPA: 5.00</b>	<i>Bogra, Bangladesh</i> <i>2019</i>
<b>Molamgari Hat B.L High School</b> <i>SSC in Science</i>   <b>GPA: 5.00</b>	<i>Kalai, Joypurhat, Bangladesh</i> <i>2017</i>

## TECHNICAL SKILLS

**Programming Languages:** C++, Python, Java, JavaScript, TypeScript, SQL

**Frontend Development:** React.js, Next.js, HTML5, CSS3, Bootstrap, Tailwind CSS, EJS

**Backend Development:** Node.js, Express.js, REST API Design, Authentication Systems

**Databases & ORMs:** MySQL, MongoDB, Mongoose, Prisma ORM

**DevOps & Tools:** Docker, Git, Linux, Redis, Postman, Multer, JWT, Zod

**Development Methodologies:** Agile, OOP, Functional Programming, MVC Architecture, CI/CD

## PROJECTS

### MyTutor Platform

- Implemented a dual authentication system for teachers and students with role-based access control using Next.js 14 and TypeScript.
- Developed reusable form components with validation, secure password handling, and dynamic panel switching functionality.
- Built a comprehensive security system including password encryption, JWT token management, and protected routes.
- Created a responsive UI with CSS animations, toast notifications, and intuitive user experience across all devices.

### GigLink

- Developed a full-stack web platform connecting job posters with skilled individuals and shops for local part-time work using Node.js, Express.js, MongoDB, and EJS.

- Implemented secure user authentication, job posting/bidding features, and offline transaction support with a clean MVC architecture.
- Integrated Multer for file uploads (CVs, images) and created RESTful APIs with Mongoose for database interactions.
- Built a responsive UI with EJS templates and deployed local file storage for managing user-submitted content.

### **JnU Counseling Center App**

- Developed a comprehensive mental health platform for Jagannath University students with React Native and Node.js/Express.js (backend).
- Implemented secure appointment scheduling, user profiles, counselor management, and real-time notifications using MongoDB and RESTful APIs.
- Created an admin dashboard for managing counselors, appointments, and user data with role-based access control.
- Deployed the backend on Railway with CI/CD integration and optimized the mobile application for both Android and iOS platforms.

### **E-commerce App Backend**

- Designed and implemented a scalable RESTful API for an e-commerce platform using Node.js, Express.js, TypeScript, and Prisma ORM with MySQL.
- Developed comprehensive user authentication with JWT, role-based authorization (admin/user), and secure password handling.
- Created robust endpoints for product management, cart operations, order processing, and user profile management.
- Implemented data validation with Zod, error handling middleware, and organized the codebase using a modular architecture for maintainability.

## **HACKATHON EXPERIENCE**

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Shortlisted among **60+** teams at the HackTheVerse Blockchain Hackathon 2023. Designed and developed **ERC-20** and **ERC-721** native token contracts for various communities.

## **PROJECT SHOWCASE EXPERIENCE**

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### **MIST Innovation Club – INVENTIOUS 4.1**

*March 7-8, 2025*

Participated in the national "Project Showcase" event at MIST, presenting innovative ideas.

## **COMPETITIVE PROGRAMMING & ACHIEVEMENTS**

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**Codeforces:** Specialist (Max Rating: 1401, 1,350+ problems solved) Profile

**CodeChef:** 3 Star Coder (Max Rating: 1617) Profile

**LeetCode:** (Solved 150+ problems) Profile

**AUST IUPC 2025:** Team TrioOfUttaranchal\_JnU — Rank 72/130 teams

**UIU IUPC 2025:** Team TrioOfUttaranchal\_JnU — Rank 65/160 teams

**ICPC Onsite 2024:** Team TrioOfUttaranchal\_JnU — Rank 192/309 teams

**IEEE Xtreme 2024:** Team JnUxDefenders — Country Rank: 5/74 — Global Rank: 806/10079