

Rakesh Biswas

Software Engineer

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[GitHub](#) | [LinkedIn](#) | [Portfolio](#)

Khalishpur, Khulna, Bangladesh

Summary:

Motivated Software Engineer with an engineering mindset and strong foundations in OOP, Data Structures, Algorithms and Software Development Principles. Experienced in analyzing requirements, designing and implementing scalable full-stack web applications using modern technologies including Next.js, Node.js, Express.js and MongoDB. Completed a professional Software Engineering Internship at USSBD, focused on AI-integrated web applications, RESTful APIs, debugging and performance optimization. Strong problem-solving ability with 300+ solved programming problems across Codeforces and CodeChef.

Experience:

Software Engineer

Aug 2026 - Present

GoDevs | Remote

- Contribute to a production B2B e-commerce platform using React/Next.js, Node.js, TypeScript, MongoDB, and REST APIs.
- Develop full-stack features spanning products, pricing architecture, inventory, cart, and checkout.
- Implement physical fulfillment inventory workflows (atomic stock commitment) and database migrations.
- Collaborate with HR and team members, and participate in client meetings to understand project requirements.

Software Engineering Intern

Jan 2026 - Apr 2026

Unicorn Software & Solutions Ltd (USSBD) | Khulna, Bangladesh

- Developed “VerbaSense,” an AI-powered Speech-to-Text platform using Next.js, Node.js, Express.js and MongoDB.
- Engineered RESTful APIs, secure JWT authentication and scalable backend services for audio processing.
- Implemented responsive frontend interfaces using Next.js 14 and Tailwind CSS.
- Collaborated in requirement analysis, debugging, and testing using Postman, Docker and FFmpeg.

Technical Skills:

- **Frontend:** React.js, Next.js, Redux, Ant Design, Shadcn, Prime React, Tailwind CSS, Firebase.
- **Backend:** Node.js, Express.js, Firebase.
- **Database:** MongoDB, Mongoose, PostgreSQL, Prisma, SQL.
- **Programming Languages:** JavaScript, TypeScript, C/C++, Python.
- **Core Concepts:** OOP, Data Structures & Algorithms, REST APIs, System Design, SDLC.
- **Tools:** Git, GitHub, Vitest, Jest, Postman, Docker.

Problem Solving Skill:

Solved 300+ problems: Codeforces (100+) - [Profile](#) | CodeChef (250+) - [Profile](#)

Projects:

ThinkGreenly [Sustainability Idea Hub] (team project):

[LiveLink](#) | [ClientSide](#) | [ServerSide](#)

A Next.js-powered community platform for sharing and voting on sustainable ideas.

- Used Next.js API Routes and Express.js for secure token-based authentication and admin-specific privileges.
- Leveraged PostgreSQL + Prisma for relational data modeling and upvote/downvote logic.
- Integrated SSLCommerz Payment with the backend for monetized idea submission using Redux for transaction state control.
- **Technologies:** Next.js, Redux, TypeScript, Shadcn, Node.js, Express.js, PostgreSQL, Prisma.

BasaFinder [Smart Rental System]:

[LiveLink](#) | [ClientSide](#) | [ServerSide](#)

A smart rental platform connecting landlords, tenants, and admins.

- Built separate dashboard views using Next.js dynamic routing and JWT with Express.js for access control.
- Implemented real-time search and filtering using MongoDB queries and Tailwind CSS for layout styling.
- Enabled landlords to approve rental requests, and tenants to make secure payments, using Mongoose models and API endpoints.
- **Technologies:** Next.js, Tailwind CSS, Node.js, Express.js, MongoDB, Mongoose.

BikeShop [Ecommerce Project]:

[LiveLink](#) | [ClientSide](#) | [ServerSide](#)

A secure, role-based e-commerce platform featuring dynamic dashboards for customer and admins.

- Enabled smart product(vehicle) filtering using Redux for global state and MongoDB for schema-based product queries.
- Developed real-time order statuses using Ant Design components and Express.js backend logic.
- Integrated a secure checkout experience using Shurjopay Payment Gateway along with backend validation in Node.js.
- **Technologies:** React.js, Redux, TypeScript, Ant Design, Tailwind CSS, Node.js, Express.js, MongoDB, Mongoose.

Education:

Jashore University of Science and Technology (BSc in Computer Science and Engineering)

2022-2026

Participation:

- **6th Place** - Synergix Datathon, Khulna Division, Khulna University.
- **Participated** in Game of Datathon Bitfest-2025 (3rd KUET CSE National Fest.)
- **Participated** in BDApps Innovation Contest by Robi.

Language:

Bengali (Native) | English (Fluent)