

MONWAR HOSSAN HIMEL

Full-Stack Developer

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CAREER OBJECTIVE

Innovative Full-stack Developer dedicated to engineering scalable web applications by harmonizing intuitive frontend experiences with robust backend architecture. Proficient in architecting role-based systems and secure payment infrastructures to deliver high-performance, data-driven solutions that drive business efficiency.

SKILLS

Frontend: React.js, Next.js, JavaScript (ES6+), TypeScript, Python, HTML, CSS, Tailwind CSS

Backend: Node.js, Express.js, REST API, JWT, Role-Based Access Control (RBAC)

Database & Storage: MongoDB, Mongoose, Firebase, Cloudinary, ImgBB

Payments & Tools: Stripe, SSLCommerz, TanStack Query, Git, GitHub, Postman, Thunder Client

PROJECTS

1. ContestHub - Ultimate Creative Contest Platform

(Live — Client — Server)

Overview: Full-stack role-based platform for creative contests featuring secure payment flows and real-time participant tracking.

- Developed a secure **RBAC system** with Firebase and JWT, providing distinct dashboards for Admins, Creators, and Users.
- Integrated **Stripe API** for automated contest registrations and dynamic participant count updates post-transaction.
- Utilized **TanStack Query** for optimized server-state management, implementing caching to ensure a seamless UI.
- Engineered a global leaderboard and a comprehensive contest lifecycle management tool for creators and moderators.

2. AI Model Inventory Manager

(Live — Client — Server)

Overview: Full-stack AI marketplace with advanced CRUD operations and user-specific tracking.

- Implemented full **CRUD functionality** for AI models with secure user routes and private data protection via JWT.
- Designed an intuitive inventory system featuring real-time search, category filtering, and purchase history tracking.
- Built a responsive UI with a persistent **Dark/Light mode** toggle and smooth Framer Motion transitions.

3. Learning Store

(Live — Client — Server)

Overview: Book management application leveraging Next.js and MongoDB for high-performance data handling.

- Optimized performance using **Next.js Server-Side Rendering (SSR)** to enhance SEO and initial page load speed.
- Developed an efficient filtering and search algorithm on the backend to handle large book datasets seamlessly.

EDUCATION

M.Sc. in Computer Science and Engineering – Jahangirnagar University

Savar, Dhaka-1342

B.Sc. in Computer Science and Engineering – Jahangirnagar University

Savar, Dhaka-1342

CERTIFICATIONS

- Prompt Engineering – AI Academy Bangladesh
- Python Django Fullstack Development – Bongodev
- MERN Stack Development – Programming Hero (Ongoing)

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EXTRACURRICULAR ACTIVITIES

- Captain (Former), Jahangirnagar University CSE Cricket Team
- Vice President (Former), Information and Technology Society, Jahangirnagar University
- IT Secretary (Former), Uttaran Cultural Organization, Jahangirnagar University

LANGUAGES

- Bangla – Native
- English – Professional working proficiency