

HIMEL AHMED

Full-Stack Developer | MERN Stack

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PROFESSIONAL SUMMARY

Full-stack developer building production web applications with React, Next.js, Node.js and MongoDB. Shipped an e-commerce platform with automated 3D-model price quoting and an award-winning real-time healthcare platform. National Capture The Flag champion who brings security practice directly into authentication and deployment.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3

Frontend: React 19, Next.js 16, React Router, Tailwind CSS, Shadcn UI, HeroUI, Framer Motion, Recharts, responsive and UI/UX design

Backend: Node.js, Express.js, REST API design, JWT and JWKS authentication

Databases: MongoDB

Tools & Deployment: Git, GitHub, Vercel, Netlify, npm, Postman, Linux, Figma, WordPress, OpenStreetMap and geolocation APIs

Security: Web application security (OWASP Top 10), penetration testing, vulnerability assessment, Burp Suite, Nmap, Wireshark

PROJECTS

Toolify3D — 3D-Printing E-Commerce Platform · toolify3d.com

React · Node.js · Express · MongoDB

- Built and deployed an e-commerce platform for 3D-printed products where customers upload a model file (STL or OBJ) and receive an automated price quote generated from the geometry, then order directly from that quote.
- Engineered the quoting engine that parses uploaded mesh files and derives pricing from *[volume / material / print time — confirm]*, removing manual quoting from the order flow entirely.
- Built a separate admin dashboard for order management, order tracking and a customer database, deployed independently of the customer client across a three-service architecture (client, admin, API).

MediGo — Doctor-on-Demand Healthcare Platform

React · Node.js · Supabase · Socket.io · Tailwind CSS · Shadcn UI · OpenStreetMap

- Built a real-time platform connecting patients with verified medical professionals, with emergency request workflows and location-based matching to improve access to care.
- Implemented live request and response handling over Socket.io, and matched provider availability against patient location using OpenStreetMap.
- Delivered with a three-person team for national innovation competitions; placed 1st runner-up at the Asset Skill Competition 2025 among 135 competing projects.

NBA Cyber-Cell — Harassment Reporting Platform · cyber-cell-nba.vercel.app

Lead Developer · MERN Stack · In Development

- Lead developer of the official reporting platform for the National Brighten Association cybersecurity wing, giving women and girls a direct channel to report online harassment.
- Built the end-to-end case workflow: a reporter-facing submission form feeding an admin triage dashboard where the response team reviews each case and records the action taken.
- Architecting for national rollout across partner institutions as a girls' online-safety initiative.

Sportnest — Sports Facility Booking Platform · sportnest-himel.vercel.app

Next.js 16 · React 19 · Express · MongoDB · Tailwind CSS

- Built a decoupled full-stack booking platform where users discover venues, reserve facilities and manage their own listings with ownership-scoped create, update and delete permissions.
- Secured the Express API by verifying JWTs against a remote JWKS endpoint (better-auth and jose), keeping token signing and verification independent of the application server.

Additional projects at github.com/himelahmed404

EXPERIENCE

Independent Full-Stack Developer — Self-directed

2026 – Present

- Design and ship full-stack applications end to end across Next.js, Express and MongoDB, most recently MediGo and Sportnest.

Project Manager — DYBWEB (Digital Agency)

Jul 2025 – Mar 2026

- Managed end-to-end delivery of 2 client web and e-commerce builds (React, Node.js, MongoDB, Stripe) with a 4-person team, meeting every scheduled deadline.

Independent Security Researcher — Self-employed

2024 – 2025

- Disclosed an email-verification bypass to DW News: the account registration API returned the one-time passcode in its response body, allowing accounts to be created against any email address the attacker did not own. Acknowledged by the vendor.
- Conducted vulnerability assessments and web application penetration testing, and hardened WordPress and custom deployments against OWASP Top 10 vulnerability classes.

COMPETITIVE ACHIEVEMENTS

- **Champion** — **Phoenix Summit CTF 2025** · 1st of 140 teams, national
- **Champion** — **IUT CTF 2024**, Islamic University of Technology · 1st of 50 teams
- **1st Runner-up** — **Asset Skill Competition 2025** · for MediGo, among 135 competing projects
- **Finalist** — 8th DIU Final CTF, BUET CTF, Cyber Raid (MIST), Flag Fest CTF

LEADERSHIP & COMMUNITY

Vice President — MUPI Computer Club

2023 – Present

- Lead a 550+ member technical community and deliver cybersecurity and CTF training, reaching 70+ students across 3 sessions.
- Organized the Inter-Polytechnic TechFest with 200+ attendees.

Lead Developer & Speaker — NBA Cyber-Cell (National Brighten Association)

2026 – Present

- Deliver cyberbullying-awareness and digital-hygiene sessions, reaching 130+ students.

EDUCATION

Diploma in Computer Science & Technology

Munshiganj Polytechnic Institute, Bangladesh | 2023 – Expected 2027

CERTIFICATIONS

- **EC-Council Essentials Series** — Network Defense Essentials (NDE), Ethical Hacking Essentials (EHE)
- **Google Cybersecurity Certificate** (Coursera) — Foundations of Cybersecurity; Manage Security Risks; Networks & Network Security; Linux & SQL
- **Web Development Level 1 & Level 2** — Programming Hero (Level 2 in progress)
- **Ethical Hacking Training** — Creative IT Institute, 2022–2023
- **Purple Teaming Fundamentals** — CyberWarFare Labs

LANGUAGES

Bangla (Native) · English (Fluent) · Hindi (Conversational) · Urdu (Basic)