Mohammad Borhan Uddin

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Summary

Computer Science graduate and competitive programmer who builds full-stack web applications with React.js, Next.js, Node.js, Express.js and TypeScript, and integrates AI into them, with a growing focus on applied AI engineering.

Technical Skills

Languages: JavaScript, TypeScript, Python, C++, PHP, SQL
Frontend: React.js, Next.js, Tailwind CSS, shadcn/ui, Material UI, Bootstrap
Backend: Node.js, Express.js, REST APIs, Auth.js, Passport.js, Zod, Laravel
Databases & ORM: MySQL, MongoDB, Firebase, Prisma, Mongoose, Sequelize
AI/ML: Scikit-learn, YOLO, LangChain, LangGraph, CrewAI, RAG
Tools & Platforms: Git, GitHub, Docker, Stripe, Vercel, Postman

Education

B.Sc. (Engg.) in Computer Science and Telecommunication Engineering 2022 – 2026
Noakhali Science and Technology University *CGPA: 3.60/4.00* *Noakhali, Bangladesh*

Internships

Web Developer (Intern), Itransition 2025
Hands-on Node.js and React, with sessions by Itransition Group's CKO and R&D Director

Aspire Internship Program, IT Business Incubator, CUET 2025
Selected for the program, funded by PDA

Projects

ObhijogNama – AI-Powered Complaint Portal | *React.js, Express.js, MySQL, Firebase, Gemini* Live | GitHub | Video
- University complaint portal with admin and user flows for submission, assignment, tracking and notifications; selected by NSTU for university-wide use.
- Restricted sign-in to university email domains with Firebase Authentication; used the Gemini API to summarize complaints.

NSTU Cover Page Generator | *JavaScript, Tailwind CSS, PWA* Live | GitHub | Video
- Offline-ready PWA that formats lab-report cover pages and indexes for all NSTU departments; used by 7,000+ students monthly since 2022.

ShopVerse – E-Commerce | *Next.js, TypeScript, Prisma, MySQL, Stripe, IPFS* GitHub | Video
- Developed product, category, cart and order management with role-based access for admin and customer accounts.
- Integrated Stripe Checkout for payments and stored product media on IPFS through Pinata.

PetSoft – Pet Daycare SaaS | *Next.js, TypeScript, Auth.js, Prisma, Zod, Stripe, shadcn/ui* Live | GitHub | Video
- Built a subscription-based app with Stripe payments, Auth.js authentication and Zod-validated server actions.

Advanced Task Manager | *React.js, Express.js, MongoDB, Passport.js, Google Calendar API* Live | GitHub
- Implemented two-factor authentication with TOTP QR codes using Passport.js, and two-way sync with Google Calendar.

Undergraduate Thesis

Toward Evidence-Grounded Multimodal Fact Verification for Bangla News 2026
- Audited MultiBanFakeDetect, a 9,600-pair Bangla text–image dataset used for fake news detection, and found inconsistencies: duplicate articles and images repeated across train and test splits, often with conflicting labels.
- Using PyTorch, we proposed LACR-Fusion, a multimodal model, and benchmarked it against text-only BanglaBERT, image-only EfficientNet-B0 and simple-fusion baselines; missing- and mismatched-image tests showed the models rely mainly on text, and calibration cut ECE from 0.156 to 0.031.
- As no FEVER- or AVeriTeC-style claim-and-evidence dataset exists for Bangla, built a web platform to create one, with distributed Python crawlers, a PHP server, independent review and adjudication; it has collected 21,000+ articles from 72 Bangla sources. Live

Competitive Programming

- **960+ problems solved** across 7 judges | **CodeChef:** 4-star (max 1880) | **Codeforces:** Pupil (max 1360) | **LeetCode:** max 1536
- **Champion (Junior Segment)**, NSTU Intra-University Programming Contest, CSTE Club, 2022
- **Champion (Junior Segment)**, NSTU Intra-University Programming Contest, ICE Club, 2022
- **3rd Place**, NSTU Intra-University Individual Programming Contest, 2022
- **6th Place**, NSTU Intra-University Programming Contest, 2023