

UTSHOB BOSE

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🌐 [LinkedIn](#) 🌐 [GitHub](#) 🌐 <https://utshobbose.is-a.dev/>



Summary

Computer Science graduate specializing in full-stack web development, system design, and software engineering. Proficient in building scalable applications with Next.js, React.js, Express.js, and the MERN stack. Experienced in database management, agile methodologies, REST API design, WordPress/cPanel administration, and technical documentation (ERDs, DFDs, UML diagrams).

Education

Bachelor of Science in Computer Science

BRAC University

2022 – 2026

Dhaka, Bangladesh

Higher Secondary Certificate (HSC)

Birshrestho Noor Muhammad Public College

2019

Dhaka, Bangladesh

Experience

BIID Foundation (Bangladesh Institute of ICT in Development)

Program Associate (ICT)

Aug 2026 – Sept 2026

Dhaka, Bangladesh

- Promoted from ICT Officer Intern to manage digital infrastructure across the organization's websites, social media platforms, and IT systems as a full-time team member.
- Serving as Focal Point for INO 2026 (International Nutrition Olympiad), coordinating technical and organizational aspects of the program.
- Continuing to lead security remediation, hosting/vendor coordination, and technical documentation (SRS, DFDs, decision briefs) across BIID's program portfolio.

BIID Foundation (Bangladesh Institute of ICT in Development)

ICT Officer Intern

May 2026 – Aug 2026

Dhaka, Bangladesh

- Managed digital infrastructure across the organization's websites, social media platforms, and IT systems, including cPanel hosting and WordPress administration for multiple organizational sites.
- Identified and remediated WordPress security incidents, including malicious PHP backdoors and web shells, and resolved server security breaches, disk quota crises, and hosting issues in coordination with vendors.
- Produced technical and business documentation, including an SRS for BIID's B-Lab Online Investment Marketplace, data flow diagrams, an IT Infrastructure Decision Brief for the CEO, and PPTX presentations for partnership and proposal decks.
- Supported partnership initiatives such as the Robi ePushti SMS service, and managed social media strategy and tracking across multiple BIID programs.

Core Skills

Languages: Python, JavaScript, TypeScript, C, PHP

Frameworks & Libraries: Next.js, Express.js, React, Node.js, Tailwind CSS, shadcn/ui

Databases: MySQL, MongoDB, PostgreSQL (Supabase)

Platforms & Hosting: WordPress, cPanel

Tools: Git, JIRA, ClickUp, Postman, Chrome DevTools, LaTeX

Methodologies: SDLC, Agile (Scrum/Kanban), REST API Design, Sprint Reviews

Design & Docs: UML Diagrams, ERD Design, Data Flow Diagrams, Technical Documentation

Key Projects

FitTrack | AI-Powered Fitness App | [Live](#) | [GitHub](#)

2025

- Developed a comprehensive fitness management web app with a React/Tailwind frontend and an Express.js + MongoDB backend, covering account management, BMI and calorie-requirement calculators, meal planning, and a water-intake tracker.

- Integrated AI-powered yoga and workout routine generation using the Groq AI API, and built a nearby-gyms locator with the OpenStreetMap API to help users find workout spaces close to them.
- Built a progress-tracking module with a logbook and body-measurement history, plus a supplements storefront, so users can plan, train, and monitor results in one place.

Smart Resume Analyzer | *AI Job Recommendation Platform* | [GitHub](#)

2025

- Built a React + TypeScript + Vite + TailwindCSS + shadcn/ui + Express.js web app that lets users upload PDF resumes and view an AI-parsed summary of their skills, experience, and education.
- Stood up a separate Python/FastAPI microservice using spaCy NER and sentence-transformer embeddings for skill extraction and NLP processing, decoupled from the main Node.js API.
- Applied cosine-similarity matching between resume embeddings and job listings to generate a visual match score per job, with search/filtering by skill, role, and score, backed by MongoDB and JWT authentication.

HollowInk | *Horror Blog Platform* | [Live](#) | [GitHub](#)

2026

- Atmospheric horror blog platform built with React, React Router, and a custom Tailwind CSS theme, showcasing original Bengali folklore-inspired stories with category filtering (Folklore, Urban, Psychological, Historical).
- Structured a modular component and page architecture (featured story, story grid, article reader) with a centralized story data layer, designed to scale as the story library grows.
- Focused on immersive UI/UX with dark thematic styling, custom Google Fonts, smooth scroll animations, and fully responsive page transitions across devices.

Throttler | *Bike Shop & On-Demand Mechanic Platform* | [GitHub](#)

2025

- Full-stack PHP + MySQL platform that merges a premium bike e-commerce storefront with on-demand mechanic services, letting customers book doorstep repair and maintenance visits alongside their purchases.
- Designed transparent, effortless scheduling with user authentication and service booking so customers can browse inventory, place orders, and arrange a mechanic visit in a single streamlined flow.

Car Workshop | *Appointment Booking System* | [Live](#)

2025

- Next.js + Express.js full-stack application for managing car service appointments, featuring slot-based booking, service type selection, and a clean admin dashboard for workshop staff.
- Built with a REST API backend and a responsive frontend, enabling customers to self-schedule visits and reducing phone-based booking overhead for the workshop.

Certifications & Achievements

- **Finalist — Blockchain Olympiad Bangladesh:** Selected as a national finalist in Bangladesh's premier blockchain innovation competition, recognizing applied blockchain research and solution development. [View Certificate](#)
- **Ostad Platform Certificate:** Completed structured professional development coursework in software development on the Ostad learning platform. [View Certificate](#)
- **TechHub CodeSprint Challenge — Certificate of Participation** in a competitive programming and software development challenge. [View Certificate](#)

References

Md. Aquib Azmain (*Thesis Supervisor*)
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Md Waheduzzaman Arup
Software Engineer, Priot
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Personal Interests

Poetry writing and literature (Charles Bukowski, Edgar Allan Poe, Kazi Nazrul Islam), music (singing and playing guitar).