Nobel Ahmad Badhon

Undergrade Fullstack Developer (Graduating 2026)

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EDUCATION

Shahjalal University of Science and Technology, Sylhet, Bangladesh *2022-Present*
BSc in Computer Science and Engineering *CGPA: 3.74*

PROBLEM SOLVING SKILLS

- **Codeforces:** BADHON30 — **Pupil (Max: 1260) — Solved 1000+ Problems**
- **CodeChef:** badhon30 — **2* (Max: 1505)**
- **Leetcode:** BADHON30 — **Solved 215+ Problems**
- **Vjudge:** 2020331030Badhon — **Solved 420+ Problems**

✓ Solved **2000+** algorithm problems across CF / CC / AtCoder / Vjudge / LeetCode.

ACHIEVEMENTS

Ranked 4th — Inter-University National Hackathon at GUB among **250 teams** — 2025

AI Trainer at Outlier — Training and evaluating AI responses using **Python, Java, C++** — 2023 – Present

2nd Runner Up — BD Apps Competition for Android Project (Academic Level) — 2024

KEY PROJECTS

Smart IELTS — **AI-Powered IELTS Preparation Platform** *Sep-2025*
●Next.js ●Node.js ● Express ● MongoDB ● GeminiAI ● ElevenLabs
Ranked 4th — Inter-University National Hackathon at GUB
✓ Implemented AI-generated IELTS-style questions tailored to user-selected patterns
✓ Integrated ElevenLabs AI voice for interactive listening and speaking test simulations
✓ Added AI-based auto marking system for evaluating responses, band scores, and providing personalized feedback

EduVerse — **AI-Powered E-Learning Platform** Jun-2025
●Next.js ●Node.js ● Express ● React ● MySQL ● OpenAI
✓ Integrated OpenAI API with RAG to automatically generate quizzes and short questions from PDF uploads
✓ Enabled teachers to upload videos, PDFs, and efficiently manage course content
✓ Implemented drag-and-drop functionality for student course material organization
✓ Developed note-taking system with full CRUD support for student annotations
✓ Enabled students to take exams with automated assessment generation

SmartPrescription — **Modern Clinic Management System** 2025
●Next.js ●TypeScript ●Spring Boot ●Java ●SQLite ●JWT
Achievement: Selected for the **final round interview at CMED Health** based on this project
✓ Developed a real-life prescription generation system with doctor-style prescription layout, editing, and printing support
✓ Implemented day-wise/date-wise filtering facilities and simplified patient profile management for doctors, including access to previous medical history
✓ Designed drugs database management for fast and accurate prescription writing
✓ Secured backend using Spring Security with JWT-based authentication and role-based access

ACCOMO Android App — **Rented Resident Management Platform** Mar-2024
●Kotlin ●JetPack Compose ● MySQL
✓ Built communication system between property owners and renters for issue reporting
✓ Implemented payment tracking feature to monitor rent status and due dates
✓ Created dashboard for owners to view unpaid units and payment history
✓ Streamlined rental management process reducing manual tracking efforts

Child Learning Web — **Interactive Educational Platform for Children** Dec-2023
●JavaFX ● Swing ● OOP
✓ Designed colorful interface with interactive modules for learning alphabets, poems, and animals
✓ Developed general knowledge quiz system with child-friendly questions
✓ Applied OOP principles for modular and maintainable code structure
✓ Created engaging educational experience suitable for early childhood learning

TECHNICAL SKILLS

Languages: C, C++, Python, Java
Backend: Node.js, Express, Spring Boot, MongoDB, MySQL, LLM models integration
Frontend: Next.js, TypeScript, Tailwind CSS
AI/ML: RAG (GitHub), Computer Vision (YOLOv8)
Tools: Git, Linux