

Soyebuzaman Naim

Computer Science & Engineering Student | Full-Stack Engineer | Applied AI & Cybersecurity

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PROFESSIONAL SUMMARY

Computer Science and Engineering student at Southeast University with a **CGPA of 3.99/4.00**, focused on full-stack engineering, backend systems, applied AI, cybersecurity, and research-driven development. Experienced in designing and deploying applications using **Java, Spring Boot, React, Next.js, TypeScript, PostgreSQL, Supabase, MongoDB, and LLM technologies**. Built multiple live production systems alongside AI-powered applications. Hackathon champion, research-competition award recipient, competitive programming contest winner, IEEE technical leader, and undergraduate cybersecurity researcher.

EDUCATION

Southeast University (SEU)

B.Sc. in Computer Science and Engineering

CGPA: 3.99 / 4.00

Dhaka, Bangladesh

Expected Nov 2027

Dhaka College

Higher Secondary Certificate (HSC), Science

GPA: 5.00 / 5.00

Dhaka, Bangladesh

2022

TECHNICAL SKILLS

Languages: Java, C, C++, Python, JavaScript, TypeScript, SQL

Backend: Spring Boot, Spring Security, Spring AI, Hibernate/JPA, Node.js, REST APIs, JWT, Microservices, Clean Architecture, SOLID, Caffeine Cache

Frontend: React, Next.js, Tailwind CSS, Shadcn UI, PWA, Three.js, React Three Fiber

Database & Cloud: PostgreSQL, Supabase, MongoDB, MySQL, Prisma ORM, pgvector, Cloudinary, Vercel, Render

AI: Gemini, Groq/Llama, LLM Integration, Retrieval-Augmented Generation, Prompt Engineering, AI Classification, Multi-modal AI

Cybersecurity: Penetration Testing, Vulnerability Assessment, Secure API Development, Authentication/Authorization, JWT Security, Row Level Security, PII Isolation, Secure Coding, Git Secret Scanning, Application Security

Testing & Tools: JUnit, Mockito, Vitest, Postman, Git, GitHub, Linux, Arch Linux, Ubuntu

SELECTED ENGINEERING PROJECTS

Civic AI | *Next.js 16, TypeScript, Supabase, PostgreSQL, Gemini, Groq*

GitHub

- Built an AI-powered civic issue reporting and government management platform that won **Champion** at the **AI & API Hackathon 2026 – First Edition**.
- Implemented Banglish/English issue classification, AI severity assessment, role-based administration, evidence upload, and resilient Gemini/Groq provider failover.
- Designed privacy-focused PII isolation, Supabase Row Level Security, and duplicate-report detection using semantic, geographic, temporal, and category-based signals.

Green Life Society | *Production Full-Stack Web Platform*

Live

- Designed and developed the production web platform for an environmental nonprofit organization.
- Built campaign, event, volunteer/member onboarding, donation, blog, gallery, reporting, certificate, and public engagement functionality.

Plant Villa | *Spring Boot, React, PostgreSQL, Tailwind CSS*

Live | GitHub

- Developed and deployed a full-stack nursery inventory and order-management platform using **Spring Boot, React, and PostgreSQL**.
- Implemented plant catalog and variety management, stock tracking, inventory workflows, order processing, and structured relational data modeling.
- Built a responsive customer-facing interface integrated with backend APIs and persistent business data.

AYNA – AI Virtual Try-On Atelier | *Next.js, Supabase, Gemini/Vertex AI, Cloudinary, Three.js*

GitHub

- Built an AI-powered South Asian bridal virtual try-on and in-store smart-mirror platform for **Build With AI Hack Days at Southeast University**.
- Implemented webcam/photo input, AI garment visualization, QR result transfer, privacy-focused session reset, AI-assisted product onboarding, and human-review workflows.
- Integrated interactive 3D visualization, inventory, sizing, media management, storefront, and admin functionality.

Cholo Sikhai | *Java, Spring Boot, Spring AI, RAG*

Infinity AI BuildFest 2026

- Co-developed an AI-native EdTech platform with a modular Retrieval-Augmented Generation pipeline implemented using **Java and Spring Boot**.
- Integrated Spring AI and designed the architecture for future agentic AI and Model Context Protocol capabilities.

Doctor Saheb | Spring Boot, React, MongoDB, Groq AI

GitHub

- Developed a full-stack healthcare platform featuring LLM-assisted symptom guidance, Spring Security/JWT authentication, REST APIs, MongoDB persistence, and Caffeine caching.

Additional Projects: OFFChat (offline peer-to-peer communication), Library Management System (Java/Spring Boot/MySQL), and Gadget Heaven (React e-commerce application).

RESEARCH EXPERIENCE

Undergraduate Research

2026 – Present

Southeast University

Research Areas: HealthTech, FinTech, Retrieval-Augmented Generation (RAG), and Trustworthy AI

- Exploring applications of **RAG and large language models** in healthcare and financial technology domains.
- Interested in domain-aware retrieval, information grounding, hallucination reduction, and reliable AI-assisted systems.
- Investigating approaches for building more accurate, context-aware, and trustworthy AI applications using external knowledge sources.

LEADERSHIP & EXPERIENCE

Technical Lead | IEEE Computer Society SEU Student Branch Chapter

2026 – Present

- Lead and support technical workshops, seminars, and student initiatives involving software engineering, AI, cybersecurity, and emerging technologies.
- Coordinate technical activities and contribute to planning student-focused learning, innovation, and community programs.

Volunteer & Participant | IEEE Computer Society SEU Student Branch Chapter

2025 – 2026

- Participated in and volunteered at technical events, workshops, seminars, competitions, and student activities before taking on the Technical Lead role.

Science Instructor | Monzusha Model School & College

2022 – 2023

- Taught Physics, Chemistry, and Math to secondary-level students and supported analytical problem-solving and scientific reasoning.

ACHIEVEMENTS & COMPETITIVE PROGRAMMING

- Champion – AI & API Hackathon 2026, First Edition:** Team *Error 429: Too Many Devs*; project: **Civic AI**; organized by IEEE Computer Society SEU Student Branch Chapter.
- Best Emerging Idea Award – SciBlitz 2.0:** Team Lead, Team Zero Volt; 3-Minute Thesis segment organized by IEEE CUET Student Branch; presented a Trust Layer concept for reducing RAG hallucinations.
- Top 10 – DUET CSE Carnival 2026 Project Showcase:** Advanced to the final round and finished among the Top 10 teams.
- 1st Place – SEUCC Monthly Programming Contest 003:** Team *w3schoolBunkers*.
- 2nd Place – SEUCC Monthly Programming Contest 002:** Team *int ifadah()*; solved 3 problems.
- 2nd Place – SEUCC Reboot Programming Contest:** Team *Mewooo*.
- ICPC Preliminary Contest:** Participant in 2024 and 2025.
- Codeforces – Naiminator:** 340+ problems solved; maximum rating **1123**.

CERTIFICATIONS & TRAINING

- C)PTE – Certified Penetration Testing Engineer**, mile2 Cybersecurity Certifications

Jun 2026 – Jun 2029
- Applied Penetration Testing Engineer: Hands-on**, EDGE-CSE CUET DST Project / Bangladesh Computer Council, ICT Division

Apr – May 2026

87-hour hands-on training; Certificate ID: *EDGE-CSE-CUET-DST-2026-P-5543*
- AI Prompt Engineer Level 1**, AI CERTs

Jul 2025 – Jul 2026
- The Infinity AI BuildFest 2026**, CloudCamp Bangladesh

Jun 2026
- BUBT-BAPS National Programming Camp 2025**, Beginner Level

Sep 2025

PROFESSIONAL MEMBERSHIPS

IEEE Student Member | IEEE Computer Society Student Member | IEEE Women in Engineering Member

2026

AREAS OF INTEREST

Backend Engineering, Full-Stack Engineering, Scalable Systems, Artificial Intelligence, Retrieval-Augmented Generation, Agentic AI, Cybersecurity, Application Security, Penetration Testing, Secure Software Engineering, FinTech, EdTech, Competitive Programming, and Empirical Software Engineering.