

Md. Farhan Sadik

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PROFESSIONAL SUMMARY

Computer Science graduate with professional experience building healthcare applications using Angular, Python, Firebase, and AWS. Demonstrated ability to quickly learn unfamiliar technologies and contribute across frontend and backend systems in Agile environments. Experienced using AI-assisted development tools to improve productivity while validating correctness through debugging, testing, and code review. Strong foundation in software engineering, data structures, algorithms, REST APIs, and collaborative problem solving with a passion for continuous learning.

EDUCATION

BRAC University	Dhaka, Bangladesh
<i>B.Sc. in Computer Science and Engineering</i>	<i>Jun 2021 – May 2025</i>
– Relevant Coursework: Data Structures & Algorithms, Software Engineering, Object-Oriented Programming, System Analysis & Design, Database Systems, Computer Networks, Natural Language Processing.	

PROFESSIONAL EXPERIENCE

Neeramoy Digital Services Ltd.	Dhaka, Bangladesh
<i>Graduate Engineer</i>	<i>Jul 2026 – Present</i>
<i>Software Engineer Intern (Python & AWS)</i>	<i>Apr 2026 – Jun 2026</i>
– Developed and maintained healthcare web applications using Angular, Python, Firebase Cloud Functions, and REST APIs while contributing across both frontend and backend modules. – Quickly learned new technologies including Firebase Cloud Functions, AWS Lambda, and Angular to implement scheduled push notifications, backend validation, API integration, and automated workflows. – Worked closely with senior engineers during Agile development, participating in code reviews, debugging, documentation, technical discussions, and feature planning while continuously improving code quality and maintainability. – Used AI-assisted development tools to accelerate implementation while validating generated code through testing, debugging, and manual review to ensure correctness and security.	

PROJECTS

Academic Journal Publish Website <i>Next.js, MongoDB, TypeScript, Node.js, SCSS</i>
– Built a full-stack academic journal platform supporting end-to-end workflow: submission → peer review → editorial decision → copyediting → publication with real-time manuscript tracking and email notifications. – Integrated Google OAuth with role-based access and promotion system for secure editorial control and manual payment processing via bank transfer. Live: https://gjadt.vercel.app/
Tailor Maven <i>MERN, Stripe, React Three Fiber</i>
– Developed an online tailoring platform with 3D suit previews, real-time customization using React Three Fiber, and live chat. – Integrated Stripe payment gateway and OAuth2.0 login system for secure and seamless transactions. – Built admin dashboard with order tracking and gifting features for improved user experience. – Live: https://tailor-maven-app.vercel.app/

ACADEMIC THESIS

A Deep Learning Approach of Translating Speech into 3D Hand Sign Language (ASL)	<i>Jan 2025</i>
– Proposed a deep learning pipeline to convert speech into 3D ASL animation using speech-to-text, gloss translation, keypoint mapping, and sequence modeling trained on the How2Sign dataset. – Utilized Whisper, BART, MarianMT, OpenPifPaf, RTMPose3D, ResNet50, MediaPipe, and LSTM for accurate 3D hand sign generation. Reference: https://doi.org/10.48550/arXiv.2507.06530	

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, C, HTML5, CSS3

Backend: Node.js, Express.js, Firebase Cloud Functions, REST APIs

Databases: MongoDB, Firestore, MySQL

AI Tools: GitHub Copilot, Cursor, ChatGPT, Claude Code

Practices: Code Review, Debugging, Documentation, Requirement Analysis, API Testing, Problem Solving, Continuous Learning

Frontend: Angular, React.js, Next.js, React Native, Tailwind CSS

Cloud: AWS Lambda, Firebase, Firebase Authentication, FCM

Development: Git, GitHub, Docker, Postman, npm

Concepts: Data Structures, Algorithms, OOP, SDLC, Agile, Software Design, System Analysis

Languages: English (Professional), Bangla (Native)

EXTRACURRICULAR ACTIVITIES

Capture The Flag (CTF) Competitions

- Ranked **8th** in the final round of **BUET CTF 2024**, organized by BUET Cybersecurity Club.
- Secured **5th** place in the final round of **EWU CTF 2024**, hosted by East West University Robotics Club.

CORE STRENGTHS

- Fast learner with experience adapting to unfamiliar frameworks and technologies.
- Strong analytical thinking and problem decomposition skills.
- Comfortable working across frontend, backend, and cloud services.
- Effective communicator in English and Bangla with collaborative team experience.
- Self-directed learner with multiple independent software projects beyond coursework.