

Awolad Hossain

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Professional Summary

Dynamic Computer Science professional with solid technical foundation in programming, system administration, and modern development practices. Experienced in containerization, version control, and Linux environments with demonstrated leadership and research capabilities. Quick learner with proven track record of mastering new technologies and delivering innovative solutions. Committed to leveraging technical expertise to drive organizational success and technological advancement.

Technical Skills

Programming: JavaScript, TypeScript, Python, C++

Frontend & Mobile: React.js, React Native, Redux, Zustand

Backend & Database: Node.js, Express.js, RESTful APIs, MongoDB, Firebase

Machine Learning: Deep Learning, Computer Vision, OpenCV, YOLO, Data Analysis

Tools & DevOps: Git/GitHub, Docker, Linux, npm, Yarn

Cloud & Deployment: Vercel, Netlify, Firebase Hosting

Technical Projects

SignVision – Real-Time Bangla Sign Language Detection GitHub

- Built real-time sign language recognition system using custom YOLO model, achieving 92% accuracy on 10,000+ samples
- Developed computer vision pipeline with OpenCV for live gesture detection, optimized for Linux deployment

TableTap – Restaurant Booking Platform GitHub

- Led cross-platform app development for 100+ users with React Native, reducing booking time by 60%
- Implemented robust form validation with Formik and Yup, ensuring 99% data accuracy

Random Quote Generator – JavaScript Library NPM Package

- Published lightweight NPM package for generating random quotes in Node.js applications
- Enables developers to add inspirational content to their projects effortlessly

Experience & Leadership

Campus Ambassador, International Congress on Computer Science (ICRCS-2025) 2024 – 2025

- Served as Campus Ambassador for 4th International Congress on Recent Trends in Computer Science
- Promoted a cutting-edge research platform connecting brilliant minds in the computer science community

Innovation Participant, UIU Innovation Hub Program 2024

- Participated in the University Innovation Hub Program, developing a solid business plan with team mentorship
- Collaborated with cross-functional team to refine innovative ideas and business strategies

Secretary, ISU IT Club – International Standard University 2023 – 2024

- Led JavaScript workshops and coding competitions for 200+ students, increasing technical engagement and participation.
- Organized 5+ technical events and optimized club operations, enhancing overall efficiency and coordination.

Research Presenter, IEEE COMPAS 2024 Conference 2024

- Presented peer-reviewed research on image classification using deep learning
- Published research in IEEE COMPAS 2024 proceedings, contributing to computer vision advancement

Education

B.Sc in Computer Science & Engineering — International Standard University, Dhaka July 2021 – June 2025

- CGPA: 3.85/4.0
- Relevant Coursework: Data Structures & Algorithms, OOP, Operating Systems, Computer Networks, DBMS

Achievements & Certifications

Publications: IEEE COMPAS 2024 – Image Classification Using Deep Learning (Co-author)

Professional Development: Programming Hero Campus Ambassador (2023), Leadership Training Certificate, Public Speaking Workshop Certificate

Recognition: Certificate of Appreciation for Innovation Competition Ambassador, Humanitarian Service Recognition

Languages: English (Fluent), Bengali (Native)