AWOLAD HOSSAIN

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PROFESSIONAL SUMMARY

Computer Science graduate with strong foundation in programming, data structures, and algorithms. Skilled in multiple languages including Go, and JavaScript. Experienced in backend development, database management, and problem-solving through competitive programming.

TECHNICAL SKILLS

Programming Languages: Go, JavaScript, TypeScript
Frontend Technologies: React.js, Redux, React-Native
Backend Technologies: Node.js, Express.js, RESTful APIs
Databases: PostgreSQL, MongoDB
Development Tools: Git/GitHub, Linux, Docker, Postman

EDUCATION

Bachelor of Science in Computer Science & Engineering   July 2021 – June 2025
International Standard University, Dhaka, Bangladesh
CGPA: 3.84/4.0

TECHNICAL PROJECTS

TableTap - E-commerce Restaurant Booking Platform Backend   *Node.js, Express.js, MongoDB*

- Designed and developed RESTful API serving 100+ concurrent users with high availability
- Integrated backend API with **React Native** mobile application for seamless user experience
- Reduced booking query time by 60% through indexing and query optimization
- Built secure authentication and role-based access control system
- **GitHub:** github.com/awoladhossain/tabletap

SignVision - AI Recognition System Backend   *Python, Machine Learning, Computer Vision*

- Developed backend API for real-time sign language recognition using YOLO architecture
- Processed and optimized 10,000+ samples achieving 96% accuracy
- Implemented data pipeline for preprocessing, training, and model deployment
- **GitHub:** github.com/awoladhossain/bangla-sign-language

PROFESSIONAL EXPERIENCE

Research Presenter | IEEE COMPAS 2024 Conference   2024

- Published peer-reviewed research on deep learning-based image classification
- Presented findings to 200+ international computer science professionals
- Strengthened technical communication and presentation skills

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

- Organized 15+ programming contests focused on algorithms and problem-solving
- Conducted backend development workshops for 200+ students
- Improved member engagement by 40% through technical events and mentorship

PROGRAMMING & ACHIEVEMENTS

IEEE Publication: Co-author of deep learning research paper (IEEE COMPAS 2024)
Open Source: Published NPM packages adopted by developers globally
Competitive Programming: Active participant with strong analytical and logical reasoning
Leadership: Led programming workshops and mentored junior developers