

# Awolad Hossain

Dhaka, Bangladesh

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LinkedIn — GitHub

## Summary

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Results-driven Backend Developer skilled in **Go**, **Node.js**, and **Docker** with practical experience designing scalable APIs and containerized applications. Proven problem-solving abilities, collaborative team player, and leader with experience in clean architecture, academic research, and cloud deployment.

## Technical Skills

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- **Languages:** Go, JavaScript, Python
- **Backend:** Go (net/http, goroutines), Node.js, Express.js, RESTful APIs
- **Frontend:** React.js, Redux, React Native
- **Databases:** PostgreSQL, MongoDB
- **DevOps:** Docker, Git/GitHub, Postman, Linux
- **Methodologies:** Agile, Scrum, Version Control, API Security

## Experience

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**Android Developer Intern** — NTS Nihon Global

*Jan 2025 – Feb 2025*

- Completed a six-week internship focusing on Android and React Native application development.
- **Developed and integrated RESTful APIs** for user registration, login, and authentication modules.
- Designed and implemented UI components in React Native connected to backend services.
- Enhanced app performance by debugging, optimizing UI layouts, and improving API response handling.

## Projects

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**ChatApp** — Real-Time Chat Application

GitHub: chat-box

*React.js, Redux, Node.js, Socket.IO*

- Developed real-time messaging with **Socket.IO for private/group chats**, including media sharing.
- Implemented secure authentication (JWT) and state management with Redux.
- Optimized MongoDB queries and API endpoints for seamless user discovery and online status updates.

**Sign Vision** — AI Sign Language Recognition Backend

GitHub: bangla-sign-language

*Python, YOLO*

- Built API for real-time sign language detection **achieving 97% model accuracy**.
- Managed a full computer vision pipeline for training and deployment.
- Processed 10,000+ samples for training, testing, and validation.

## Education

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**Bachelor of Science in Computer Science and Engineering**

International Standard University, Dhaka, Bangladesh

*July 2021 – June 2025*

CGPA: 3.84 / 4.00

## Awards, Publications, and Leadership

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- Springer Publication: First-author paper presented at BIM 2025 (Springer Proceedings).
- IEEE Publication: Co-author of peer-reviewed research at COMPAS 2024.
- Open Source: Published NPM packages actively used by developers worldwide.
- Secretary, ISU IT Club (2023 – 2024): Organized backend and database workshops for 200+ students and managed cross-functional teams.