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Addis Ababa, Ethiopia



PROFILE

Software Engineer with a BSc in Electrical and Computer Engineering (Computer Engineering stream) graduated in June 2026 from Addis Ababa Science and Technology University (AASTU). Through two internships, developed and deployed production ready features across React/Next.js frontends and Laravel/Node.js backends, including authentication systems, role-based access control, and database optimization. Built on an engineering foundation in embedded systems and IoT, culminating in a senior thesis on a real-time public transport tracking and monitoring system. Comfortable bridging hardware and software domains, and drawn to collaborative teams where there's room to keep learning new tools.

EDUCATION and TRAINING

BSc. in Electrical and Computer Engineering

Addis Ababa Science and Technology University

03/2022 – 06/2026
Addis Ababa, Ethiopia

- Relevant Coursework: Data Logic Design, Object Oriented Programming, Computational Methods, Signal Processing, Computer Architecture and Organization

Cisco Networking Training (CCNA Program)

Addis Ababa Science and Technology University

03/2025 – 06/2025
Addis Ababa, Ethiopia

- successfully completed the CCNA training program.

- Covered courses: Introduction to Networking, Switching, Routing, and Wireless, And Enterprise Networking (CCNA).

Back-End Web Development Program

ALX Africa

09/2025 – 03/2026
Addis Ababa, Ethiopia

- Successfully completed the ALX Back-End Web Development program, gaining hands-on experience in backend programming using Python and Django to build dynamic and scalable applications.

- Developed strong proficiency in SQL and data management, designing and managing robust server-side systems.

- Acquired practical experience in building, testing, and deploying backend systems, enhancing overall full-stack engineering capability.

PROFESSIONAL EXPERIENCE

Frontend Developer (React & Next.js) Intern

Zemenay Tech

05/2025 – 07/2025
Addis Ababa, Ethiopia

- Developed and maintained responsive frontend applications using React and Next.js, focusing on performance, usability, and modern UI standards.

- Built a full featured Learning Management System (LMS) interface, Designed and implemented a fully functional blog platform, including dynamic content rendering, reusable components, and SEO friendly page structures.

Backend Developer (Laravel) Intern

Ethio Innovation Software Development.

08/2025 – 10/2025
Addis Ababa, Ethiopia

- Designed and developed a full featured office management web application using Laravel, enabling streamlined internal operations and central data management.

- Architected and implemented secure authentication and authorization mechanisms, optimizing login workflows and ensuring strong protection of user data.

- Enhanced internal communication workflows by enabling efficient interaction between managers and employees through the platform, increasing productivity and coordination.

PROJECTS

Office Management Web Application

Ethio Innovation Software Development

08/2025 – 09/2025

- Designed and developed a full featured office management web application using Laravel, enabling streamlined internal operations, secure data management, and efficient employee communication.

- Implemented secure authentication and role based access control, reducing login latency and ensuring reliable, scalable backend performance.

Student Leave Request Portal Ethio Innovation Software Development - Built a multi authentication Laravel system for students and admins, enabling seamless leave requests, approval workflows, and dashboard analytics. - Optimized backend processes and database queries to ensure quick response times, accurate reporting, and robust security of user data.	09/2025 – 10/2025
Unimate: All in One Student Life Organizer GDG Hackathon - Developed an app integrating academic, event, and personal task management tools, improving organization and productivity for students. - Implemented smooth navigation, data persistence, and modular components for an intuitive, all in one student experience.	05/2025 – 05/2025
Real-Time Public Transport Tracking and Monitoring System AASTU Senior Thesis - Designed a real-time bus tracking and monitoring system for Addis Ababa's public transport using ESP32-CAM and NEO-6M GPS modules for location and occupancy data transmission - Built a FastAPI backend with PostgreSQL/PostGIS for geospatial queries and Redis for caching, paired with Flutter (mobile) and Next.js (web dashboard) and Implemented computer vision based passenger occupancy estimation with OpenCV and a Random Forest regression model for ETA prediction.	02/2026 – 06/2026

AWARDS and CERTIFICATES

AASTU TECH FEST 2025 Hackathon GDG Hackathon	06/2025
Cisco Certified Network Associate (CCNA) Cisco AASTU	06/2025
2025 Digital Innovation Boot camp AI&ML (I & II) Handong UNESCO UNITWIN	08/2025
Back-End Web Development Alx Africa	03/2026
AASTU TECH FEST 2026 Capstone GDG Capstone	04/2026

TECHNICAL SKILLS

- Programming Languages:** Dart, JavaScript, TypeScript, Python, C++, Java, PHP
- Frameworks and Libraries:** Firebase, Flutter, React, Laravel, Express.js, Node.js, Next.js
- Databases:** MySQL, PostgreSQL, MongoDB
- Machine Learning:** OpenCV, AI Automation, Fundamental ML
- Others:** Git, GitHub, Figma, OOP

SOFTWARE TOOLS

- Version Control:** Git, GitHub
- IDEs & Editors:** VS Code, IntelliJ IDEA, JetBrains Toolkit
- Design & Prototyping:** Figma
- Backend & App Services:** Firebase Authentication, Firestore, Rest API testing tools

SOFT SKILLS

Teamwork | Leadership | Problem Solving | Communication | Adaptability

LANGUAGES

English | Amharic

REFERENCES

Mulat Tigabu (MSc)
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Sileshi Aweke Gebeyehu (MSc)
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