

Yafet Hailelassie Gebremedhin

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PROFILE

I am a motivated and detail oriented Electrical and Computer Engineering student from Addis Ababa Science and Technology University, with a strong foundation in programming, hardware design, and control systems. I'm passionate about solving complex problems and applying innovative technologies to real world challenges. Throughout my academic journey, I've worked on several projects involving embedded systems, automation, and signal processing, which strengthened my teamwork, creativity, and technical skills. Beyond engineering, I'm passionate about mentoring others, streamlining workflows, and driving innovation in collaborative, tech focused environments. I enjoy exploring new ideas, building hobby projects, and contributing to open source communities that push the boundaries of what's possible. My curiosity and commitment to continuous learning keep me inspired to grow both personally and professionally in the ever evolving world of technology.

EDUCATION

BSc. in Electrical and Computer Engineering

Addis Ababa Science and Technology University 

03/2022 – 06/2026
Addis Ababa, Ethiopia

- **CGPA:** 3.3 / 4.0

- **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 

06/2025 – 08/2025
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. 

06/2025 – 08/2025
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

07/2025 – 08/2025

- 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

06/2025 – 07/2025

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.

Learning Management System

07/2025 – 08/2025

Zemenay Tech

- Developed a responsive, user centric LMS interface with React and Next.js, providing structured content delivery and intuitive navigation for learners and administrators.
- Implemented reusable frontend components and optimized page load times, enhancing usability and overall user experience.

Library Book Management System (LBMS)

04/2025 – 04/2025

AASTU

- Enhanced a Java based library management system using AVL trees and doubly linked lists for efficient book searching, sorting, and user borrowing management.
- Implemented JSON based data persistence for seamless storage and retrieval, ensuring fast, reliable operations for library staff and students.

Unimate: All in One Student Life Organizer

05/2025 – 05/2025

GDG Hackathon

- Developed a Flutter based mobile 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.

AWARDS and CERTIFICATES

AASTU TECH FEST 2025 Hackathon

06/2025

GDG Hackathon

AASTU TECH FEST 2025 Capstone

05/2025

GDG Capstone

Cisco Certified Network Associate (CCNA)

06/2025

Cisco AASTU

2025 Digital Innovation Boot camp AI&ML (I)

08/2025

Handong UNESCO UNITWIN

2025 Digital Innovation Boot camp AI&ML (II)

05/2025

Handong UNESCO UNITWIN

Back-End Web Development

03/2026

Alx Africa

TECHNICAL SKILLS

- **Programming Languages:** Dart, JavaScript, TypeScript, Python, C#, C++, Java, PHP
- **Frameworks and Libraries:** Firebase, Flutter, React, Laravel, Express.js, Node.js, Next.js, Angular, Vue
- **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