Hermela Asmamaw
Software Engineering Student | Full-Stack Developer

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github
Hermelasis

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portfolio
portfolio-link

skill

Languages: Java, Python, JavaScript, C++, PHP, Dart

Web Development: HTML, CSS, React, Node.js, Express

Mobile Development: Flutter

Databases & cloud: MySQL, MongoDB, firebase

Tools: Git, GitHub, VS Code, Postman

Concepts: OOP, Data Structures & Algorithms, REST APIs

Language

English, Amharic, Oromiffa

Certifications & Activities

Certifications (certificate link)

Korean e-government framework: UNESCO UNITWIN Program

data analysis: Udacity

chatgpt and generative AI: UNESCO UNITWIN Program

Node.js: google developer group

data annotation with Annotate Plus: R&D group

Activities

Mentor: She Code Women in Tech

Hackathon Participant: google developer group

AI Data Annotation Contributor

Team lead: She Code Women in tech: backend team lead

Education

2023-ongoing
Bachelor of Science in software engineering
Addis Ababa Science And Technology University

2023-ongoing
Bachelor of Science in Marketing Management
unity University

2025-ongoing
Fast-Track Master's Program in software engineering
Addis Ababa Science And Technology University

Experience

Mentor — She Code (Women in Tech Program)
2026 – Present
- mentorship and guidance to female students in backend development.
- Guide learners through hands-on coding exercises and projects

Team lead: She Code (Women in Tech Program) backend team lead
2026 – Present
- Lead the backend development team, guiding members in building and structuring server-side applications

Personal Projects
- project development with Flutter, React, Node.js, and several other frameworks to strengthen my programming expertise.

Projects

blog management system
- Tech: Node.js, Express, MongoDB, REST APIs
- Developed a full-stack blog platform that allows users to create, edit, delete, and manage blog posts. Designed and implemented RESTful APIs and connected the backend to a MongoDB database.

MindNest mobile app
- Tech: Flutter, Firebase
Built a cross-platform mobile application focused on user engagement and interactive features. Designed responsive UI screens and implemented core app functionality using Flutter.

smart poultry monitoring system
- Tech: IoT, ESP Microcontroller, Sensors, Real-Time Data Processing
Contributed to the development of an IoT-based smart monitoring system for poultry farms. Integrated ESP microcontroller sensors to collect real-time data.

human resource management system
- Tech: Web Technologies, Database Systems, TOGAF Enterprise Architecture
- Participated in the development of a human resource management system for managing data. Contributed to system design and feature implementation while aligning the solution with TOGAF enterprise architecture principles.

Summary

Software engineering student with hands-on experience in full-stack development, mobile app development, and IoT-based systems using Java, Python, JavaScript, and Node.js. Active mentor in the She Code women-in-tech program, passionate about using technology to solve real-world problems and support inclusive tech education.