

SELAMAWIT ELIAS

Software Engineer

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PROFESSIONAL SUMMARY

Software Developer focused on designing scalable systems and building intelligent solutions for real-world problems. Skilled in backend architecture, AI integration, and delivering reliable, high-impact applications.

EXPERIENCE

AI Engineer Intern

June 2025 - September 2025

Information Network Security Administration

- Researched and developed intelligent agent-based systems for automating web and digital workflows.
- Built an AI-driven browser agent capable of navigating websites, extracting data, and executing tasks through autonomous decision-making.
- Leveraged modern AI and software engineering practices to deliver scalable and practical internal tools.

PROJECTS

ASTRA - Personal AI Assistant

AI-powered productivity assistant with agentic capabilities.

- Built a full-stack AI assistant that integrates task management, scheduling, notes, and real-time LLM interactions.
- Implemented agent-based workflows enabling autonomous task handling, calendar management, and information retrieval.
- Designed a scalable architecture with secure authentication, background processing, and hybrid data storage.

ECO SCAN

AI-powered environmental auditing Chrome extension for greenwashing detection.

- An AI integrated chrome extension used to detect greenwashing and score product sustainability in real time.
- Developed Active Deception Defense to flag misleading claims and translate ESG data into user-friendly insights.
- Designed a privacy-focused, premium interface with real-time streaming analytics and material lifecycle scoring.

EDUCATION

Bachelor of Software Engineering

Addis Ababa Science and Technology University

High School Diploma

Dandii Boru School

SKILLS

- Full-Stack Development
- AI & Machine Learning Integration
- UI/UX Design & Frontend Architecture
- Data Analysis & ESG Evaluation
- Problem-Solving & Critical Thinking
- Effective Communication