

Ruth Akalu Siyoum

✉ ruthakalusiyoun@gmail.com | 📞 +251940103358
🌐 <https://github.com/Ruth991268> |

Skills

Languages: Python, Java, JavaScript, SQL

Frameworks & Libraries: Django, ReactJS, Next.js, Angular,

Work Experience

Addis Ababa Innovation And Technology Bevelopment Bureau

2025 -

Frontend Developer & UI/UX Designer

Addis Ababa, Ethiopia

- Designed and developed modern, user-centered interfaces using **Figma**, focusing on accessibility and responsive layouts.
- Created UI/UX designs and prototypes for a **School Management System** to improve usability and workflow efficiency for teachers and administrators.
- Designed a clean and intuitive dashboard interface for a **Farm Management Platform**, supporting data visualization for agricultural activities and livestock tracking.
- Collaborated with a team to translate Figma designs into interactive frontends using **React** and **Next.js**.
- Focused on improving user experience through design consistency, component reuse, and visual hierarchy.
- Tools: Figma, React, Next.js, Django, CSS3, UI/UX Design Principles

Education

B.E. in Electrical and Computer Engineering, specializing in Computer Engineering

- Relevant Coursework:** Object-Oriented Programming (Java, Python), Data Structures and Algorithms (DSA), Operating Systems, Databases Machine Learning, Advanced Data Structures Computer Networks
- Backend Development:** Completed ALX Backend program focusing on Python, Django, REST APIs, and database integration
- Frontend Development:** Gained experience through GDG workshops in React, Next.js, and building responsive web interfaces

Project Work

- MediHelp – Multilingual Health Web App (2025):** Designed and developed a multilingual health information platform providing users with reliable data and self-assessment tools. Features include a **symptom checker** with severity grading (mild, moderate, severe) and an **AI-powered skin diagnosis tool** for image-based condition analysis. *Tech Stack: React, Django, Python, Machine Learning, CSS.*
- Crop Disease Detection Web App (2024):** Developed a web-based tool that processes uploaded crop images to detect plant diseases using image processing and machine learning. The system provides actionable treatment suggestions and severity insights. *Tech Stack: Python, TensorFlow, OpenCV, Django, React.*
- E-commerce Platform (2024):** Built a fully integrated online store with product listings, authentication, and cart management. Designed both frontend and backend for seamless shopping experience. *Tech Stack: React, Django REST API, MySQL, CSS.*
- Personalized Business Websites (2023–2025):** Designed and deployed responsive websites for small businesses, including a furniture store, restaurant, and local service companies. Focused on brand identity, UX flow, and accessibility. *Tools: React, Next.js, Figma, Tailwind CSS.*

Awards and Certificates

- Winner – 2025 Tech Fest Hackathon (GDG Tech Fest):** during the Google Developer Group (GDG) Ethiopia Tech Fest, recognized for creativity and practical impact.
- Winner – 2025 She Code Hackathon:** Collaborated with fellow developers to design a project empowering women in technology, awarded for innovation and teamwork.
- Annual Creative Competition – 2025:** Honored by **Innovation Center, Addis Ababa Science And Technology University (AAST)** for excellence in creative design and user experience innovation.
- Presidential Mentorship Program:** Selected participant in a national mentorship initiative fostering leadership and technological innovation.
- Charity and Fundraising Volunteer:** Contributed to community outreach programs and organized charity events supporting educational causes.