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EDUCATION

HILCOE School of Computer Science and Technology

Expected Sept. 2026

Bachelor of Science in Software Engineering

Relevant Coursework: Database Systems, Data Structures and Algorithms, Operating Systems.

TECHNICAL SKILLS

Languages: Python, C#, C++, TypeScript, JavaScript

Technologies: .NET, SQLite, SQL/PostgreSQL, Spring Boot, Git, React, React Native, Supabase, Selenium, UI/UX design, Expo, TensorFlow

EXPERIENCE

Albash: Thrift Ethiopia

Jan. 2026 – Present

Founder | Lead Developer

- Created and maintained the complete development of an end-to-end cross-platform marketplace system. Leveraging a **BaaS provider** for backend, **Expo** for frontend, **Cloudflare R2** image storage and **Firebase** notifications.
- Developed complete social media features (like handling User-generated content and networking), recommendation algorithms to deliver highly personalized content filtering and a bargaining feature.

Property Management System

Nov. 2022 – July 2023

Project Lead | Software Developer

- Saved the company from untimely payments and exhaustive document searching, caused by handling **150** customers quarterly with no concrete system, by Making an ERP solution using **C#** and **SQLite** to automate resource management, document processing, payment handling and report generation.
- Developed the system using the **.NET 6** framework and designed with a modular architecture to ensure maintainability and scalability for old systems with no internet access.

PROJECTS

KWYPE | Python, C++, Raylib, TensorFlow

July 2025

- Engineered an AI-powered accessibility program that brings swipe gesture typing capabilities to physical hardware keyboards translating mobile input paradigms.
- Developed a local multi-layered AI model using **TFLite** trained on **Huggingface** Datasets.
- Integrated **VirusTotal** to the CI/CD pipeline with **Github Actions** for automated security testing

Digaf | React, SpringBoot

May 2024 – July 2024

- Co-Lead the development of a **React** web app with a **Spring Boot** backend that enabled the search, view, and review of locations that accommodate people with disabilities.
- Engineered the backend system and maintained end-to-end integration between client-side components and the database architecture.

GardenBot | Python

Jan. 2024

- Developed a **Telegram** bot that enables listening to **RadioGarden's** international radio live streams through Telegram's group voice chat feature.

Poept | Python, Selenium

Mar. 2024

- Developed a python library for automating interaction with **Quora's** AI agent service.
- Hosted the library as a package on **PYPI** for open-source access.