



# Samuel Takele

**Date of birth:** 18/05/1999 | **Nationality:** Ethiopian | **Gender:** Male | **Phone number:** (+251) 962918534 (Mobile) | **Email address:** [samuelalehegn1@gmail.com](mailto:samuelalehegn1@gmail.com) | **LinkedIn:** <https://www.linkedin.com/in/samuel-alehegn/> |

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## ● ABOUT ME

I am a graduate of Electrical and Computer Engineering with expertise in both hardware and software development. I design and integrate hardware components into software applications, combining my passion for both fields. My interdisciplinary skills allow me to tackle complex problems from a broad perspective. I'm eager to prove my worth on challenging technology projects. My hands-on experience in circuit design and programming enables me to solve technical issues comprehensively and effectively.

## ● WORK EXPERIENCE

02/05/2023 – CURRENT Addis Ababa, Ethiopia  
**APPLICATION DEVELOPER EZ SOFTWARES**

- Designed and developed front-end user interfaces using Angular framework.
- Implemented back-end business logic and RESTful APIs with Java and Spring Boot.
- Collaborated with cross-functional teams in an Agile environment.
- Automated build, testing, and deployment processes using DevOps tools, including OpenShift (OCP).

06/11/2022 – CURRENT Addis Ababa, Ethiopia  
**HARDWARE ENGINEER MINNOVATION**

- Designed and developed IoT device firmware using C/C++ and embedded systems knowledge.
- Integrated IoT devices with cloud platforms.
- Monitored device performance and implemented measures to ensure reliability and security.

03/01/2022 – 30/06/2022 Addis Ababa, Ethiopia  
**NETWORKING ENGINEER INTERN WEBSPRIX**

- Assisted in the design and configuration of LAN, WAN, and wireless network infrastructures.
- Configured and troubleshooted routing protocols, switching technologies, and network security.
- Gained hands-on experience with network management tools and protocols.

05/03/2019 – 10/02/2020 Addis Ababa, Ethiopia  
**ROBOTICS AND AUTOMATION INTERN 4K LABS**

- Programmed Arduino devices in C/C++ to interface with various sensors and actuators.
- Gained hands-on experience with Arduino IDE, ROS (Robot Operating System), and common electronic/mechanical components.

## ● EDUCATION AND TRAINING

21/10/2018 – 19/07/2023 Addis Ababa, Ethiopia  
**BSC IN ELECTRICAL AND COMPUTER ENGINEERING** Addis Ababa University

**Website** <https://www.aau.edu.et> | **Level in EQF** EQF level 8

03/03/2022 – 03/06/2022 Online  
**PYTHON NETWORK PROGRAMMING FOR NETWORK ENGINEERS (PYTHON 3)** Udemy

**Website** <https://www.udemy.com/> | **Level in EQF** EQF level 2

● **LANGUAGE SKILLS**

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Mother tongue(s): **AMHARIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

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Programming Languages - C,C++,Java,HTML and MS SQL server | Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Git | Spring (Spring Boot, Spring Security) | Angular

● **PROJECTS**

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02/06/2024 – 17/06/2024

**Weather App**

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The app automatically detects the user's city using device location services, retrieves the current weather data, and displays it to the user. Also includes functionality to manually search for weather in other cities. Leverages reliable weather data APIs to fetch accurate, up-to-date information.

Link <https://github.com/SamuelAlehegn/Weather-App>

11/03/2023 – 13/06/2023

**PyCommLab**

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Python-based web application designed to simulate and visualize a range of digital communication system concepts. It uses Streamlit framework, to create an intuitive and interactive user interface that allows users to explore and experiment with different digital communication system concepts easily.

Link <https://github.com/SamuelAlehegn/PyCommLab>

06/03/2021 – 04/04/2022

**Java-based desktop application**

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This Java-based desktop application provides a comprehensive solution for users to purchase movie and stadium tickets, as well as browse and purchase books from an integrated online bookstore.

Link [https://github.com/SamuelAlehegn/java\\_project1](https://github.com/SamuelAlehegn/java_project1)

● **VOLUNTEERING**

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05/11/2021 – 30/12/2022 Addis Ababa

**Coordinator of Theory and Experimental - Solvers Innovation Club**

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- Spearheaded the integration of theoretical concepts and hands-on experimentation within the club's diverse projects and activities.
- Designed and implemented captivating projects that challenged members to apply classroom learning, think critically, and push the boundaries of their understanding.

Link <https://www.linkedin.com/company/solvers-innovation-club/>

10/03/2018 – 06/06/2023 Addis Ababa

**Ambassador for Peace - Universal Peace Federation**

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- Served as a representative and advocate for the Universal Peace Federation's mission of promoting lasting peace and reconciliation globally.
- Organized and participated in inter-faith and cross-cultural dialogues, panel discussions, and community outreach events to foster mutual understanding and cooperation.