



Mikiyas Birbo

Date of birth: 04/11/1999 | **Nationality:** Ethiopian | **Gender:** Male | **Phone number:**

(+251) 923274455 (Mobile) | **Email address:** mikegirma82@gmail.com |

Address: 1000, Addis Ababa, Ethiopia (Home)

WORK EXPERIENCE

 **UGW – WIESBADEN, GERMANY**

SOFTWARE ENGINEER – 01/05/2022 – CURRENT

- Designed, developed, and maintained **portal and CRM systems** to streamline business operations.
- Administered and enhanced client websites, delivering tailored solutions using **HTML, CSS, JavaScript, PHP (Yii2 framework), and PostgreSQL**.

 **KRAFT DYNAMIC SOLUTIONS – ADDIS ABABA, ETHIOPIA**

CEO – 01/04/2025 – CURRENT

- Founded and lead **Kraft Dynamic Solutions**, a technology company specializing in innovative **EdTech products**.
- Oversee **strategic direction, product vision, and business development**, ensuring alignment with company goals.
- Leverage technology to **enhance learning experiences and improve accessibility** in education.
- Build and manage **cross-functional teams** to deliver high-quality products.
- Drive **product design, development, and execution** from concept to launch.
- Secure **partnerships and collaborations** to strengthen growth opportunities.
- Ensure **sustainable business growth** through innovation and client-focused solutions.

 **ICT4D RESEARCH CENTER – BAHIR DAR, ETHIOPIA**

SOFTWARE ENGINEER – 01/04/2021 – 30/11/2021

- Designed and developed **web applications** for clients using **Node.js**, ensuring scalable and efficient solutions.
- Contributed to **machine learning projects** by supporting dataset collection, annotation, and model training.

 **AMERICAN SPACES ETHIOPIA, U.S EMBASSY ADDIS ABABA – BAHIR DAR, ETHIOPIA**

OPERATION SUPPORT – 01/12/2020 – 30/10/2022

- Hosted and led youth center technical workshops, hackathons, and training programs.
- Assisted clients in navigating the US Embassy E-library and provided support on various technical topics.
- Taught **Grade 11 & 12 students** web development, equipping them with practical coding skills.
- Successfully organized and ran **3 intensive bootcamps**, fostering hands-on learning and innovation.

 **GOOGLE DEVELOPER GROUP BAHIR DAR – BAHIR DAR, ETHIOPIA**

ORGANIZER – 14/02/2020 – CURRENT

- Founding member and active co-organizer of **Google Developer Group (GDG) Bahir Dar**.
- Helped developers explore and effectively use **Google products**.
- Hosted **workshops, developer festivals, hackathons, and study jams** to grow the local developer community.
- Taught participants **Firebase** and **Google Cloud Platform (GCP)** through hands-on sessions.

 **GOOGLE DEVELOPER STUDENTS CLUB BAHIR DAR UNIVERSITY – BAHIR DAR, ETHIOPIA**

LEAD – 01/08/2020 – 01/08/2021

- Led the Google Developer Student Club, organizing events and initiatives to empower university students with practical tech skills.
- Hosted and mentored students on various technical topics, with a focus on **Firebase, Google technologies, and modern web development tools**.

- Coordinated study groups, workshops, and peer-learning sessions to foster collaboration and innovation within the student community.
- Built connections with industry experts and facilitated knowledge-sharing opportunities to bridge the gap between academia and real-world technology.

● **EDUCATION AND TRAINING**

01/09/2017 – 27/08/2022 Bahir Dar, Ethiopia
BACHELORS OF SCIENCE SOFTWARE ENGINEERING Bahir Dar University

Website <https://bdu.edu.et/> | **Final grade** 3.76

01/09/2023 – 26/06/2025 Fairfield, United States
MASTERS OF BUSINESS ADMINISTRATION Maharishi International University

Website <https://www.miu.edu/> | **Final grade** 4.0 |

Thesis Bridging the Educational Gap: Developing an EdTech Solution for Enhanced Student Performance in Ethiopia

● **LANGUAGE SKILLS**

Mother tongue(s): **AMHARIC**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	B1	B2	B2

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

● **SKILLS**

Javascript | PHP | YII | HTML | CSS | React | JQuery | Git | GitHub | NodeJS | Rest API | UI/UX | Python | Pandas | BeautifulSoup | Selenium | Web Scraping | EDA | Data Analytics | SQL

● **PUBLICATIONS**

2024
[**AGE: Amharic, Ge'ez and English Parallel Dataset**](#)

African languages are not well-represented in Natural Language Processing (NLP). The main reason is a lack of resources for training models. Low-resource languages, such as Amharic and Ge'ez, cannot benefit from modern NLP methods because of the lack of high-quality datasets. This paper presents AGE, an open-source tripartite alignment of Amharic, Ge'ez, and English parallel dataset. Additionally, we introduced a novel, 1,000 Ge'ez-centered sentences sourced from areas such as news and novels. Furthermore, we developed a model from a multilingual pre-trained language model, which brings 12.29 and 30.66 for English-Ge'ez and Ge'ez to English, respectively, and 9.39 and 12.29 for Amharic-Ge'ez and Ge'ez-Amharic respectively.

Henok Ademtew and Mikiyas Birbo. 2024. (LoResMT 2024), pages 139–145