

ESUBALEW CHEKOL

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EDUCATION

Addis Ababa University
Bsc Information Systems *GPA: 3.9*

Addis Ababa, Ethiopia
- July, 2024

Addis Ababa University
Msc Artificial intelligence

Addis Ababa, Ethiopia
Nov 2024 - Present

EXPERIENCE

INTAPS
Software Engineer

Addis Ababa, Ethiopia
June 2025 - Present

- Work as a software Engineer for a very critical software system for large ethiopian city that servers wider ethiopian communitiy
- Lead development of a mission-critical Cadastre Information System (CIS) serving major Ethiopian cities , supporting land administration and community services.
- Architect and maintain scalable solutions using ASP.NET, PostgreSQL, and Docker, ensuring reliability and high availability.

Helder Technogies
Fullstack Python Developer

Addis Ababa, Ethiopia
September 2024 - December 2024

- Specialize in building robust Telegram bots
- Develop backend using FastAPI, Django, and Flask
- Create dynamic telegram mini applications using JavaScript
- Implement deployment automation for efficient workflows

CDIWork
Software engineer

Remote
January 2024 - Present

- I freelance remotely mostly in python

Crossroads Tech Solutions
JavaScript Developer

Addis Ababa, Ethiopia
March 2024 - June 2024

- Contribute to building a Telegram bot using Node.js to support application functionalities.

SKILLS

| | |
|-----------------|--|
| Misc: | Rust, Python, C#, JavaScript/TypeScript |
| Frameworks: | Django, FastAPI, ASP.NET Core, Flask, NexJs/React |
| AI Related: | Machine Learning, Deep Learning, Computer Vision |
| Database/Tools: | Github Actions, AWS/Azure, MS SQL, PostgreSQL, MySQL, SQLite |

PROJECTS

run-kit *Rust, Github Actions*

<https://github.com/Esubaalew/run>

About Universal multi-language runner and smart REPL written in Rust.

Star Growth *Python, Github Actions*

<https://github.com/esubaalew/star-growth>

Generate a shareable scroll animation of the latest GitHub stargazers for any repository.

britannica-dictionary(a module, website and telegram bot) *PyPI, Python*

<https://pypi.org/project/britannica-dictionary/>

A Python package to crawl Britannica Dictionary for word entries, definitions, and more.

AfrimPy *Rust*

<https://github.com/esubaalew/afrim-py>

This project brings the capabilities of the Rust-based afrim engine to the Python ecosystem through PyO3 bindings.

Selam Action for Women Empowerment Website *Python, Django*

<https://sawewomen.org>

A SEO optimized fullstack profile of NGO company

emotion classification model *Python, Jupyter Notebook, BERT, DL, ML*

https://github.com/esubaalew/emotion_1

Emotion classification using telegram group chats

Ecommerce Scraper *Python, Selenium* <https://github.com/Esubaalew/chapiScrapes>
dynamic web scraper for Best Buy, designed to retrieve categories, subcategories, and product information while handling pagination and sorting.

Sentiment analysis model *Python, Jupyter Notebook* <https://t.me/CampusRobot>
Sentiment analysis model on Telegram group chats

C# Desktop search tool *C#, Winforms* <https://github.com/Esubaalew/BELAH-Search-Engine>
C# search engine that uses web scrapping tool to search different websites for retrieving specific results.

GradeReport *Python, telegram-api* <https://github.com/Esubaalew/AAUROBOT>
Simple Telegram bot for Addis Ababa University Students

Modern Dictionary *NextJs, ASP.NET Core* <https://d.esubalew.et/>
modern dashboard for bringing britannica and merriam websites in single place

Wereb *Python, bs4* <https://github.com/Esubaalew/Wereb/>
A Python script to download liturgical music files from the Ethiopian Orthodox Church website.

Ethiopian-Dictionary *Gemini, NextJS* <https://ethiopia.esubalew.et/>
An app that helps translate between Ethiopian languages using the Gemini API.

Guade *Gemini, NextJS, PostgreSQL* <https://guade.esubalew.et>
A website to master Any Subject with AI-Powered Practice

CIS *C#, ASP.NET Core, PostgreSQL, ReactJS*
cis10 is the 10th version of the Cadastral Information System (CIS), a computer-based platform for managing land ownership and related information.

AWARDS

Winner – 12-Hour Hackathon (School Hosted) School of Information, Addis Ababa University
Ranked 1st place in a 12-hour university hackathon, developing the best project within limited time.
December 2023

3rd Place – Ethiopian Data Science Regional Hackathon 2025 Hack4dev
Developed a lightweight image classification model to prioritize high-value satellite images for transmission, optimizing bandwidth usage in CubeSat missions. February 2025