

MILKIYAS GEBRU

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🔗 Portfolio Website ↶ LeetCode

Education

Computer Engineering, Addis Ababa University [🔗](#) 10/2018 – 06/2023

- **CGPA - 3.96/4** (Awarded the Gold Medal for being the top scorer in the entire engineering campus)
- Relevant Courses taken:
 - Database - Software Engineering - Object Oriented Programming
 - Data structures - Computer Architecture and Organization

Work Experience

Software Developer, Holistic Technologies 10/2023 – present

Technologies : Python, BeautifulSoup, Selenium, WordPress, HTML, CSS, JavaScript, Git, Linux

- Automating of Instagram and Threads Posts using Selenium reducing manual effort by 80%.
- Developed a system to automate WordPress article publishing through CRON jobs
- Responsible for managing and maintaining their VPS server.
- Developed the entire frontend for the company blog site, improving page load speed by 30% and enhancing user engagement.
- Integrated a seamless payment system into the company blog website using Stripe, ensuring secure and efficient transaction processing.

Software Developer and Head Of Education, Africa to Silicon Valley (A2SV) 03/2023 – 01/2025

Technologies : Python, Golang

- Created automation scripts in Apps Script and Python to automate students' progress tracking on different learning platforms, reducing the time required from hours to minutes.
- Provided training to 30+ backend development students in GoLang and clean architecture principle.
- Delivered 10+ comprehensive lessons on data structures and algorithms to over 30 students, covering topics like dynamic programming and graph theory.

Backend Engineer, A2SV, (Rate Eat) [🔗](#) 08/2022 – 09/2022

Technologies : NodeJs, ExpressJs, MongoDB, Git

- Contributed to the backend development of RateEat.app [🔗](#) (a Micro Yelp application) using NodeJs and MongoDB.
- Worked on the upvoting and downvoting functionality of business reviews.
- Implemented the CRUD operations of business reviews.
- Worked Unit testing with Jest to make the code bug free.

Research Assistant, University of Michigan [🔗](#) 05/2022 – 07/2022

Technologies : Python, Numpy, Pandas

- Research Title - Benchmark suite for Explainable AI.
- Conducted a 3 month long research project focusing on finding different benchmark suits for comparing different explainable AI models under mentorship of Prof. Valeria Bertacco and P.H.D student Andrew Mccrab.
- Presentation Link - BeXAI [🔗](#)
- Github Link - BeXAI [🔗](#)

Awards and Certificate

Recognition of Gold Medalist, Addis Ababa University 19/07/2023

Awarded the Gold Medal for being the top scorer in the Addis Ababa Institute of Technology(Engineering Faculty of Addis Ababa University) [🔗](#)

Executive Committee of IEEE student branch Of Ethiopia, IEEE

Awarded to the top scores in Addis Ababa University.

Seeds for the Future of 2021, Huawei

Certificate of Completion Link - SeedsForTheFuture [↗](#)

Skills

- **Advanced** : Python, JavaScript, TypeScript, HTML, CSS, NodeJs, ExpressJs, MongoDB, MySQL, ReactJs, TailwindCSS, Git
- **Intermediate** : C++, GoLang, Django, FastAPI

Projects

Mekedem School Portal, School Management System [↗](#)

- Actively participated in the requirement, design, coding and testing phase of the portal.
- Contributed to the team as Manager in the design phase of the software.
- Contributed to the backend development of student service, project and assignment functionality.