

Surafel Sentayehu Tadesse Software Engineer

✉ surafel.s.tadesse@gmail.com 📍 Addis Ababa, Ethiopia [in](#) LinkedIn [G](#) Github [L](#) Leetcode

Summary

As an individual from **Ethiopia**, I've faced challenges like limited access to practical education and technology. I developed a passion for **programming** after discovering a desktop computer as a child. Through **self-learning** and programs like **A2SV**, I've developed strong technical skills in **Python**, **React**, and **Next.js**, along with valuable soft skills in **teamwork** and **problem-solving**. I'm excited to join a dynamic team where I can use technology to make a meaningful impact. I look forward to the opportunity to demonstrate my potential and **work together** with you towards a brighter future.

Professional Experience

Full Stack Engineer, Manifest Automation [🔗](#) 01/2024

- Built and managed a full-stack SaaS console platform using **React** and **Django** to power AI chatbot services for cities and churches.
- Improved user satisfaction and performance by **30%** by adding multilingual support, data filtering, and a custom chatbot builder.
- Integrated **LLMs** for automated language translation and data analysis to improve the platform's core capabilities.
- Developed an **SEO-optimized** website using **Wagtail CMS** and **React** that reached **45K** visitors and **over 1.3** million impressions in three months.
- Built features including semantic search, user authentication, and LLM-based spam filtering for blog moderation.
- Contributed to CrossTalk mobile app's growth by implementing a new onboarding flow that helped boost completion rates to **54.8%** and increased the **install-to-trial** conversion from **1%** to **3.22%**.

Full Stack Engineer, AppDiv System Development [🔗](#) 09/2023 – 09/2024 | Addis Ababa, Ethiopia

- **Developed** and **maintained** the frontend of a smart fleet management system using **React.js** and **Material UI**, making the interface faster for operators and improving work efficiency by **30%**.
- **Integrated** real-time data visualization with **WebSockets**, enabling the system to handle over **500,000 GPS data points daily** that helped speed up incident response times by **20%**.
- **Collaborated** on **backend** development using **Jakarta EE**, designing algorithms to estimate real-time fuel consumption from GPS and fuel sensors, improving accuracy by **30%** and lowering operating costs.

Web Developer Intern, Africa To Silicon Valley [🔗](#) 08/2023 – 10/2023 | Addis Ababa, Ethiopia

- **Led** the frontend development of A2SV's website cloning project, building 60% of the frontend using **Next.js**, **React**, **Tailwindcss** and **Typescript**. And enhanced user experience by adding responsive design features. Here is the [Link](#) [🔗](#) to the project.

Education

B.Sc. Computer Science, Addis Ababa University(13th best university in Africa) [🔗](#) 09/2019 – 07/2023 | Addis Ababa, Ethiopia

- **GPA:** 3.96 / 4.00

Coding Academy, Africa To Silicon Valley (A2SV) [🔗](#) 12/2022 – 10/2023 | Addis Ababa, Ethiopia

- A2SV is an intensive data structures and algorithms training academy that has enabled 50+ students to secure internships and fulltime positions in top tech companies, including Google, Palantir, and Bloomberg.
- Attended intense training on Advanced Data Structure and Algorithms, personal development, and interview preparation given by A2SV (backed by Google). Developed problem solving, interpersonal, and interview skills.

Skills

Programming Languages

Python, JavaScript/TypeScript/Node.js, SQL

Frameworks / Libraries

Django, React.js, React Native, TailwindCSS, Wagtail CMS, Next.js, Vercel AI SDK, LangChain, LangSmith, Jupyter Notebook, Scikit-learn, Streamlit

Development Tools

Claude Code, Cursor, Git, Docker

Achievements

OBSS Certificate of participation [🔗](#), **OBSS CODEMASTER** 06/10/2023

CodeMaster is a coding competition organized for sharp minds and passionate talents.

Local 3rd place certificate of award [🔗](#), **NASA Space Apps Challenge 2022** 10/10/2022

A global hackathon for diverse talents to use open data from NASA and its partners to tackle challenges on Earth and in space.

Certificate of training assistant [🔗](#), **Orange Digital Center Ethiopia** 08/09/2022

A certificate for assisting students from all around the world on Python programming training.

Certificate of completion [🔗](#), **Elements of AI** 03/09/2022

Completed online course on AI given by Elements of AI, University of Helsinki