






ABDI ESAYAS


 github.com/abdiestu04  abdiesayasbayisa@gmail.com  +251 938 813 894  linkedin.com/in/abdiestu04

Education

Software Engineering, BSc


02/2022 – 06/2026 | Adama, Ethiopia



Adama Science and Technology University (ASTU) 

- Enrolled in an **ABET-accredited**  program, offering a curriculum that adheres to top-tier engineering education standards.
- Core Coursework:** Data Structures and Algorithms, Operating Systems, Advanced Programming, Object Oriented Programming, Web Development, Mobile App Development

Competitive Programming and Coding Academy

01/2024 – present

Africa to Silicon Valley | A2SV - Backed by Google 

- Solved over **900** competitive programming problems on **Leetcode**  and **Codeforces** .
- A2SV helps students secure roles at top tech companies through intensive learning in industry-standard software development, problem-solving, and interview preparation, with **63 alumni** placed at firms like **Google, Bloomberg, Databricks, Amazon, LinkedIn, and Square**.

ALX Software Engineering

02/2022 – 02/2023

Holberton School 

- Graduated with honors from a **12-month software engineering program**, mastering core principles and Agile practices through hands-on projects.
- Developed strong technical and teamwork skills, with expertise in **Python, Node.js, React, SQL, Git, and Shell scripting**.

Professional Experience

Backend Developer Intern

06/2024 – 09/2024 | Addis Ababa, Ethiopia

Eskalate 

- Developed** a RESTful API using **Go** with **Clean Architecture**, supporting user authentication (**JWT, OAuth2**) and CRUD operations, while improving response times by **15%** through query optimization and concurrent processing with **Goroutines**.
- Tested** and **documented** core functionalities with **Mockery** and **Testify**, conducting **43 unit tests** to ensure high code reliability, comprehensive test coverage, and seamless feature performance. Implemented **CI/CD** pipelines to automate testing and deployment, ensuring continuous integration and smooth delivery of updates.

Projects (Hackathons)

Breast Cancer Classification Using Machine Learning

09/2024

- Used a logistic regression model to classify breast tumors as **benign (non-cancerous)** or **malignant (cancerous)** using the Breast Cancer Wisconsin (Diagnostic) Dataset, achieving a **33% improvement** in diagnostic accuracy compared to traditional methods used by doctors, thereby enhancing early breast cancer detection.
- Preprocessed data by normalizing features and applying feature selection techniques using **Scikit-learn** and **Python** to enhance model performance, leading to more accurate and consistent tumor classification results.

A2SV Hackathon – AI-Powered Addiction Recovery Chatbot

07/2024 – 08/2024

- Engineered a **language model** for addiction recovery, securing **2nd place** out of **54** competitive projects in a **70-hour** hackathon by enhancing response relevance using **LangChain** and **GPT-3.5**.
- Trained the model with data from addiction books and recovery scenarios, resulting in **personalized responses** that significantly enhanced user engagement.
- Technologies: **LangChain, Next.js, FastAPI** and **MongoDB**.

Leadership and Extracurricular




ASTU CSEC

04/2024 – present

Head of Competitive Programming

- Led a team of **95 students** in the Competitive Programming division, organizing contests and tutorials on **data structures and algorithms**, fostering collaboration and innovation.

Awards and Certifications

A2SV Hackaton Semi Finalist  || ALX Software Engineering Certificate  || Evangadi MERN stack Development Bootcamp  || Top 0.00001 % Result in Grade 12 national Exam

Skills

- Go (Golang), Python (Django), Java, C++, Javascript(Node js, Next.js), TypeScript, PHP, SQL, MongoDB, PostgreSQL, Docker