

Mastewal Shiferaw

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PROFESSIONAL SUMMARY

Software Engineering student at Adama Science and Technology University (ASTU) with a strong foundation in Backend Development (Python, Django) and C++. A dedicated learner with a passion for Artificial Intelligence and high-level mathematics. ALX-certified developer with a proven ability to build scalable logic and a commitment to writing clean, maintainable code. I am eager to apply my programming expertise and analytical mindset to AI experimentation and software testing.

TECHNICAL SKILLS

- **Languages:** Python (Advanced), JavaScript (Basic), C++, HTML, CSS.
- **Frameworks/Libraries:** Django, Node.js (Learning).
- **Tools & Principles:** Git/GitHub (Version Control), REST APIs, Software Development Life Cycle (SDLC), Debugging.
- **Mathematics:** Linear Algebra, Calculus, and Probability and Random Process.
- **Soft Skills:** Technical Writing, Leadership, Openness to Feedback, Multilingual (English, Amharic, Afan-Oromo).

EDUCATION

B.Sc. in Software Engineering | Adama Science and Technology University (ASTU)

2023 – Present

- Relevant Coursework: Data Structures & Algorithms, Object-Oriented Programming, Advanced Mathematics.

Back-End Web Development Specialization | ALX Africa

2023 – 2024

- Completed intensive 4-month Software Engineering program focused on Backend systems, API development, and professional software foundations.

PROJECTS & EXPERIENCE

Volunteer | The Physics Times (phytimes.xyz)

2020 – 2022

- Developed and maintained a digital science journal.
- Responsible for content management and technical updates, demonstrating initiative in technical writing and independent project management.

Backend Developer (Academic/Personal Projects) | Python & Django

- Built a habit tracker, fully functional attendance system using Django.
- Implemented user authentication and database management, ensuring clean code structure and documentation.

LEADERSHIP & VOLUNTEERING

Founder & President | Astronomy Club (St. John Baptist De La Salle Catholic School)

2022 – 2023

- Demonstrated leadership and communication skills by organizing club activities and growing the membership base.
- Fostered a collaborative environment for students interested in space science.

Member | Ethiopian Space Science Society

2022 – Present

ACHIEVEMENTS

- **ALX Professional Foundation Certification:** Specialized in teamwork, professional communication, and project management.
- **High School Distinction:** Graduated top of the class in Natural Sciences.