Masresha Alemu

Software Engineer

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https://github.com/masrialx/

EDUCATION

Bachelor of Science in Computer Science(In Progress)
Unity Universtiry
2020 - 2025

Software Engineering Certificate
ALX Africa
(2023 - 2024)

Back-End Development Certificate
ALX Africa
(2024)

A2SV Hackathon Semi-Final Certificate
Africa to Silicon Valley
2024

TECHNICAL SKILLS

- Backend Development: Flask, MERN Stack, Django, SQL,Oracle
- Mobile Development: React Native, Android
- Machine Learning: TensorFlow, OpenCV, Python
- Cybersecurity: Ethical Hacking, Data Integrity
- Database Optimization: MongoDB, SQL,Oracle

SOFT SKILLS

- Team Collaboration
- Process Automation
- Problem Solving

LANGUAGE

- English (Fluent)
- Amharic (Fluent)
- Shekinono (Fluent)
- Keffichoo(Fluent)
- Oromiffa (Intermediate)

PROFILE

Results-driven Software Engineer with 2+ years of hands-on experience in backend and mobile app development. Proficient in MERN stack, Django, Python, and machine learning. Proven ability to design scalable systems with Flask, OpenCV, and TensorFlow, ensuring data security and integrity. Adept problem-solver and collaborative team player committed to continuous learning and delivering innovative solutions.

WORK EXPERIENCE

A2SV and Startup(Remote)   📍 Ethiopia   **2023 – 2024**

AI-Powered Amharic Sign Language Translation App

Led the development of an AI-driven application that translated Amharic sign language into text and voice in real-time, utilizing advanced frameworks like Flask, OpenCV, and TensorFlow to enhance video translation, integrate with Zoom, and provide adaptive learning features, significantly improving accessibility for Amharic-speaking communities.

Wingy Organization(Remote)   📍 Morocco

E-commerce Delivery Mobile App Developer   **2024**

Developed an e-commerce delivery mobile app using React Native, focusing on enhancing the user interface and optimizing the user experience. Collaborated with a remote team to integrate backend systems and APIs, ensuring seamless functionality and efficient data flow.

Unity Universtiry   📍 Ethiopia

University Placement Selection System   **2023 – 2024**

Developed a MERN stack-based application to automate the university placement process, leveraging exam results and capacity constraints. The system optimized placement assignments, effectively reducing manual effort and errors by 50%. The solution enhanced operational efficiency and improved accuracy in the assignment process, ensuring seamless placements for students based on performance and available slots.

REFERENCES

Ahmed Noukta
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