



AMANUEL AYALEW

SOFTWARE ENGINEER

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SUMMARY

Software engineer with a strong interest in machine learning. Passionate about exploring AI technologies and always eager to learn more. Hardworking and dedicated to applying my skills to real-world problems.

PROFESSIONAL EXPERIENCE

Machine learning Engineer Intern , IcoG Labs

July. 2025 - present

I am assistant Researcher in predictive coding-based Transformer architectures using NGC-Learn. Explored biologically inspired alternatives to backpropagation for more efficient and interpretable AI systems.

Software Engineer, Alet Systems

April. 2024 - Dec. 2024

I was responsible testing the backend systems . where I fixed bugs and Tested new features . I also worked on the adding new functionalities and ensuring smooth operation. This role allowed me to gain experience in full-stack development and mobile application maintenance.

PROJECTS

R Master - AI Recruitment System

Jan 2023 - Jun 2023

A2SV hackathon project done with peers

- Automate Recruitment Process using AI
- Finalist project for the 2023 A2SV Generative AI for Africa Hackathon

SKILLS

python
java
Numpy

SQL
Pytorch
pandas

EDUCATION

Bachelor of Science in Software Engineering
Addis Ababa University

2021 - 2026

ADDITIONAL INFORMATION

- **Certifications:** CCNA , Machine learning AAIT (2023) , Machine Learning Specialization
 - **Awards/Activities:** Finalist for A2SV Generative AI for Africa Hackathon 2023, Finalis for Reboot the Earth Hackathon 2024
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