Galana Fekadu Asafa

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Addis Ababa, Ethiopia

Summary

Computer Science Engineer specializing in Artificial Intelligence, Machine Learning, and Computer Vision. Experienced in developing innovative algorithms, neural networks, and predictive models using tools such as Python, PyTorch, and TensorFlow. Passionate about ethical and scalable technology solutions, continuous learning, and collaborative research. Dedicated to bridging academic research and industry to deliver impactful, real-world applications.

Education

2022 – 2025 Master's of Engineering in Computer Science and Technology at **Central South University (CSU), China** GPA: 3.68/4.0

2018 – 2022 Bachelor of Engineering in Computer Science and Technology at **University of Electronic Science and Technology of China (UESTC), China** GPA: 3.69/4.0

Work Experience

Data Encoder at Sinoma International Engineering Co.Ltd, Ethiopia Aug 2025 - present

- Accurately input and manage large volumes of data into company databases and systems with a focus on speed and precision.
- Verify, correct, and update records to ensure data integrity and consistency.
- Assist in preparing daily/weekly reports for management using Excel/other tools.

Android Application Development Workshop at UESTC, China Sept 2020 - Oct 2020

I was a committee member for this workshop hosted by the School of Computer Science and Engineering at UESTC. Our school awarded me a certificate of appreciation.

Publications

[1] Galana Fekadu Asafa et al. "DepthCloud2Point: Depth Maps and Initial Point for 3D Point Cloud Reconstruction from a Single Image". In: *Electronics* 14.6 (2025). URL: https://doi.org/10.3390/electronics14061119.

[2] Sheikh Sohan Mamun and Galana Fekadu Asafa. "WGA-SWIN: Efficient Multi-View 3D Object Reconstruction using Window GroupingAttention in SwinTransformer". In: *Electronics* 14.8 (May 2025). URL: https://doi.org/10.3390/electronics14081619.

Projects

- Smart English-Chinese Dictionary
- Design and Simulation of Local Area Network Using Cisco Packet Tracer
- Hotel Management System
- Cartpole Control with Reinforcement learning(undergraduate thesis)

- Dual-Process CNN with Cross-Attention Mechanism for Single View 3D Reconstruction(postgraduate thesis)

Awards and Achievements

- Betre-Science Scholarship (Ethiopian Government Scholarship) for bachelor's degree: 2018 - 2022
- UESTC Academic Achievement Award, third prize - 2019
- UESTC Excellent Performance Award, second prize - 2019
- UESTC Excellent Performance Award, second prize - 2020
- UESTC Excellent Performance Award, second prize - 2021
- Chinese Government Scholarship for a master's degree at Central South University: 2022 - 2025

Certificates

- Android App Development Workshop
- Python for Web Automation
- PHP programming Language
- C# programming language
- Dart and Flutter Training
- Eyes on the world of UESTC reading Month
- The 53rd UESTC Sports Meeting
- Image Recognition basics

Skills

Machine Learning	Python, PyTorch, TensorFlow, Keras, OpenAI, Jupyter
Software Development	HTML, CSS, JavaScript, Java, MySQL, Bootstrap
Tools	Windows, Linux, VS Code, Anaconda, PyCharm
Languages	English (Fluent), Afaan Oromoo (Native), Amharic (Fluent), Chinese (Basic)

Hobby

♡ Playing Football, Basketball and Volleyball

♡ Reading books

♡ Watching documentary videos