

Zakaria Hasan Abdi

Software Developer | AI Enthusiast

■ Mogadishu, Somalia | ■ zakihasanabdi443@gmail.com

■ LinkedIn | ■ Twitter | ■ GitHub

Professional Summary

Motivated and creative software developer with a strong passion for Artificial Intelligence, web development, and building impactful open-source projects. Recently graduated in Computer and Information Sciences. Specialized in creating Somali-language AI systems including speech recognition, text-to-speech, and chatbots. Looking for remote internships or collaboration opportunities in AI and software development.

Education

Bachelor of Science in Computer and Information Sciences

Zam Zam University, Somalia – Graduation: 2025

Skills & Technologies

- Programming & Web: HTML, CSS, JavaScript, React, Python
- Frameworks & APIs: FastAPI, Flask, Django
- AI/ML Tools: Hugging Face Transformers, PyTorch, TensorFlow
- Data Science: Pandas, NumPy, Matplotlib
- Speech Tech: Wav2Vec2, XTTS v2, Coqui TTS
- Dev Tools: Git, GitHub, VS Code, Google Colab

Key Projects

■■■ Somali Speech Recognition System

- Fine-tuned Wav2Vec2 for Somali language
- Created a custom agricultural speech dataset
- Built and deployed ASR API with FastAPI

■ Somali Chatbot (Falcon 7B)

- Fine-tuned Falcon 7B on Somali Q&A dataset
- Focused on agriculture and local context responses

■ Somali Text-to-Speech (TTS)

- Fine-tuned XTTS v2 and FastPitch + HiFi-GAN for Somali
- Output: smooth, natural Somali voice synthesis

Career Goals

- ✓■ Recently graduated in Computer & Info Sciences
- ■ Actively seeking remote AI/Software Development internships
- ■ Contributing to Somali AI and tech ecosystem
- ■ Open to freelance, collaboration, and volunteer projects

Languages

- Somali – Native
- English – Professional Working Proficiency

Contact Information

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Let's Collaborate!

Open to opportunities in:

- ■ AI Research
- ■■ Speech Technology
- ■ Software Development

Let's build the future of Somali Tech together ■■■