ASHENAFI TSEGAYE WELDEMIKAEL

ELECTRICAL AND COMPUTER ENGINEER

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🔗 Portfolio Website   Github   Linkedin

Profile

Aspiring Full Stack Web Developer and 4rth-year electrical and computer engineering student with a focus on back-end development. Actively honing skills to build robust web solutions, I bring a design-centric approach to front-end development. Eager to specialize in machine learning for future technology.

Education

Bachelor of Science in Electrical and Computer Engineering,
Addis Ababa University May 2022 – 2026 | Addis Ababa, Ethiopia

- one of the top university in africa https://cwur.org/2024/addis-ababa-university.php
- Relevant Coursework: Software Engineering,Data Structures & Algorithms, Web & Mobile Application Development, Database Systems, Computer networks and security, Object-Oriented Programming

A2SV (Africa to Silicon Valley) - Community Education Program

- I was initiated as a Division 3 student
- I successfully solved over 150 data structure and algorithm questions on platforms like LeetCode, Codeforces and HackerRank, demonstrating a high level of proficiency in this area.
- This experience has not only advanced my technical knowledge but also honed my problem-solving and communication abilities, making me well-prepared for future challenges in the field.

Aritificial Intelligence Using Python Programming and Google Colab
Addis Ababa University May 2022 – 2026 | Addis Ababa, Ethiopia

- trained different models using google collab using Python.
- Built a Convolutional Neural Network using TensorFlow .
- Used Python, NumPy, Pandas, and Matplotlib for data handling and visualization

Skills

Hard Skill
Python, NodeJs, Java, SQL & MySQL, Git & GitHub,HTML & CSS,Figma ,React

Soft Skill
Creativity, Critical Thinking Communication, Teamwork , Time Management, Problem-Solving

Projects

Sira

- Sira Job Portal is a full-stack web app built with Node.js, Express, React, MySQL, and Cloudinary. Designed for Ethiopia, it connects job seekers and employers with ease. Users can register, create profiles, and apply for jobs, while admins can post jobs and manage applications. Sira offers a secure, scalable, and user-friendly experience for a diverse workforce.

Hotel Management System

- Hotel Management System is a full-stack web app designed to streamline hotel operations. Built with Node.js, Express, MySQL, and React, it enables staff to manage bookings, generate invoices, handle guests . Admins can easily add rooms, services, and monitor performance. The system ensures smooth, efficient, and secure hotel management for both small and large-scale operations.

Cryptographic Web Application

- This project is a secure and interactive web-based cryptographic tool that enables users to encrypt and decrypt messages using multiple industry-standard algorithms.

Achievements

Ethiopian University Entrance Exam
- Top 100 among 550,000+ students nationally.
- Ranked 5th in my regional state.

African Robotics Championship Winner
- Won Three Awards Excellence Award, Robot Skills Champion, Tournament Champion held in Addis Ababa