TSEDEY SOLOMON

Software Engineer

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EDUCATION

06/2021 - 02/2025

Debub Gonder, Debre Tabor, Ethiopia

B.Sc. in Computer Science
Debre Tabor University

- B.Sc. in Computer Science
- Debre Tabor University
- from 06/2021 - 02/2025
- Gpa: 3.48/4.0
- Exit Exam Pass: 60%

PROJECTS

03/2024

Ethiopia

Rotational Billboard System Developer
School prooject

- Developed a motorized billboard system that automatically rotates advertisements, enhancing visibility and engagement for businesses
- Engineered a precise countdown timer for timed operations, ensuring accuracy and reliability in various applications
- Both projects demonstrate expertise in embedded systems, circuit design, and programming, showcasing a hands-on approach to automation and problem-solving

11/2023

Ethiopia

60-Second Countdown System
School project

- Timer Automation: Developed a system for precise countdown management, ideal for events requiring strict time regulation.
- Embedded Systems: Used Arduino for controlling the timer's hardware components, ensuring smooth and accurate operation.
- Real-Time Application: Integrated software with hardware for real-time operation, supporting event timing and countdown accuracy.

02/2024 - 01/2025

Ethiopia

Full-Stack Development
Ethiopian Midr Babur

- Developed a digital ticketing system for Ethiopian Midr Babur, streamlining ticketing operations and improving efficiency
- The system allows users to purchase and manage tickets online, reducing manual processes and enhancing user experience
- Full-Stack Development: Built using React for the front end, Django for the backend, and MySQL for the database, ensuring smooth operation and scalability
- User Authentication: Implemented secure user login and registration features
- Payment Integration: Integrated a secure payment system for online transactions
- Optimized Design: Focused on responsive design for seamless use across devices

07/2024 - 12/2024

Ethiopia

Advertisement Website
Zfg

- Designed and developed an advertisement website for ZFG, enhancing digital marketing and outreach by providing businesses with an online platform for promotion
- Frontend Development: Built using React, ensuring a responsive and dynamic user interface
- Backend Integration: Utilized Django to manage data and user requests
- SEO Optimization: Focused on enhancing visibility and reach through search engine optimization techniques
- Interactive Features: Integrated a content management system (CMS) for easy content updates and management

SKILLS

Arduino CSS Embedded System Git HTML Java JavaScript React Tailwind

Ticketing System TypeScript Node.js Express.js MySQL C++ Assembly Prisma

Communication Problem Solving Teamwork

KEY ACHIEVEMENTS

Ticketing System Efficiency
Reduced manual ticketing by 60% with automation.

Rotating Billboard Impact
Improved advertisement reach by 30% using rotation.

Website Performance Boost
Enhanced webpage loading speed by 90% using React.

Interactive Content Integration
Increased user engagement by 40% with interactive features.

WORK EXPERIENCE

Software Engineer Intern

📅 2024   📍 Addis Ababa, Ethiopia

Professional Electronic Data Systems (PEDS)

- Gained hands-on experience in hardware-software integration, learning how embedded systems communicate with software applications
- Explored the operation of cash register machines, understanding their data processing, transaction handling, and security mechanisms
- Assisted in connecting software with electronic hardware, applying concepts of serial communication, API integration, and embedded system programming
- Provided IT support to various companies, troubleshooting technical issues and ensuring smooth system operations
- Developed strong teamwork and collaboration skills by working closely with engineers and IT professionals on real-world projects
- Strengthened communication skills by assisting clients, explaining technical solutions, and coordinating with different teams
- Observed and participated in troubleshooting and debugging hardware-software interactions, enhancing problem-solving and analytical skills
- Collaborated with engineers to analyze real-time data processing in financial and retail systems, strengthening my knowledge of system optimization
- Developed a foundational understanding of embedded database management and its role in point-of-sale (POS) systems
- Worked closely with senior developers to identify and resolve communication issues between microcontrollers and software interfaces

LANGUAGES

Amharic
Native ●●●○○

English
Advanced ●●●○○

CERTIFICATION

HCIA-AI V3.5 Course (Huawei Certified ICT Associate - Artificial Intelligence, Version 3.5 Course)
- Issuer: Huawei ICT Talent Partner Development Dept (part of Huawei ICT Strategy & Marketing)
- Issue Date: March 19, 2025

Diploma in Software Project Management
- Issuer: Alison (Online Learning Platform)

Employability Skill and Job Readiness Training Completion Certificate
- Issuer by: Dereja (with Mastercard Foundation & Debre Tabor University)

Android Developer Fundamentals Nanodegree
- Issuer: Udacity
- Completion Date: August 13, 2024

CERTIFICATION

Sales Skills Training Completion (Mesirat Program)

- Issuer: American College of Technology (with partner organizations)
- Training Completion Date: August 12, 2024

Managing Conflict Training Completion (Mesirat Program)

- Issuer: American College of Technology (with partner organizations)
- Training Completion Date: August 12, 2024

Information Seeking Training Completion (Mesirat Program)

- Issuer: American College of Technology (with partner organizations)
- Training Completion Date: August 12, 2024

SUMMARY

A passionate software developer, highly skilled in embedding systems and full-stack development, is drawn to the mission of creating impactful technological solutions. With proven experience in designing automated systems that enhance business operations and engagement, enthusiasm is shown for utilizing advanced programming skills to contribute to innovative projects. This dedication is coupled with a strong adaptability in software and hardware integration, promising to deliver effective and reliable solutions to meet the outlined goals.

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