# Tsega Tigneh

## Software Developer

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## EXPERIENCE

### Software Developer Intern

**NERD**

📅 05/2023 - 09/2023   📍 Semit, Addis Ababa

*NERD is an Robotics company which develops and provides Robotic Solutions*

- Contributed to development of 2 projects using MERN stack
- Participated in hardware and software maintenance

## SUMMARY

With my educational background in Computer Engineering and a strong foundation in programming, I bring to the table a solid understanding of data structures, operating systems, and software development. My technical expertise includes hands-on experience with MERN stack, Laravel, Tailwind css, Bootstrap, MySQL, and deploying applications on VPS Nginx servers and also shared servers using Cpanel. The highlight of my journey so far has been working on projects that integrate modern web development technologies, showcasing my ability to build scalable and efficient solutions.

## SKILLS

### Coding

| Java | C++ | Javascript | Python | PHP | React | OpenCv | Html | Mysql | Deployment |
|------|-----|------------|--------|-----|-------|--------|------|-------|------------|

### Project management

| Git | Docker |
|-----|--------|

## MAIN PROJECTS

### Business Website for YAT business Group Using LARAVEL

📅 12/2024 - 01/2024

This project is a landing page for YAT Business Group including admin pannel.
See the website at https://yatbusinessgroup.com

- Robust admin dashboard for complete content management inclueding UI coloring
- Responsive design
- SEO-optimized structure with schema markup and sitemap generation

### E-Learning platform for Nerd using Mern Stack

📅 07/2023 - 08/2023

E-Learning website - Developed at NERD as an Intern.
See the repo at https://github.com/segish/E_learning_NERD

- The project is an E-Learning wbsite and is developed for NERD to let their robotics students access tutorials online.
- User authentication and course enrollment.
- Fully responsive and performance-optimized.
- Have Premium and Free versions

# MAIN PROJECTS

## Density Based Trafic Light Control System

📅 06/2024 - 08/2024

See github Repo at https://github.com/segish/AI_based_traffic_controll_system
Graduation Project. The project is an AI application which is
developed in phython, OpenCv, and YOLOv8. This system enhances traffic flow by identifying vehicles in real-time from video feeds
It dynamically adjusts traffic signal timings based on vehicle density at intersections, improving traffic efficiency and reducing wait
times. The model detects multiple vehicle types like cars, buses, and trucks, optimizing the flow across various lanes.

## Stock Management System

📅 10/2023 - 12/2023

Developed and deployed stock items managing web dashboard for private client
See the repo at https://github.com/segish/Stock_Management_System
. Used for managing store and shope items data
. Daily reports on saled items by the cashier
. Managing credit sales

# EDUCATION

## BSc in Computer Engineering

**Bahirdar University**

📅 10/2019 - 08/2024

- Coursework in Algorithms, Data Structure, Computer security, Artificial intelligence etc...
- Award for Completing Job Readiness Training from Dereja.com

# LANGUAGES

**English** ●●●●○  **Amharic** ●●●●● **Geez** ●○○○○