



# ASMAMAW KASSAHUN

COMPUTER SCIENCE GRADUATE

WEB & NETWORK SPECIALIST

## CONTACT

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## TECH SKILLS

- HTML, CSS(Tailwind)
- React (Advanced)
- TypeScript (Advanced)
- JavaScript (Advanced)
- Next.js (Advanced)
- Node.JS (Advanced)
- Java (Advanced)
- C++ (Advanced)
- Flutter (Advanced)
- Data Structures and Algorithms
- PostgreSQL, MySQL, MongoDB
- Version Control (Git) and Github
- VLANs, Routing, Switching, WLAN setup
- Cisco Packet Tracer

## SOFT SKILLS

- Teamwork
- Time Management
- Resource Management
- Leadership
- Effective Communication
- Critical Thinking



## PROFILE

Computer Science graduate with a 90/100 on Ethiopia's national exit exam, now focused on network engineering. Hands-on experience designing, configuring, and troubleshooting wired & wireless infrastructures with Cisco routing, switching, VLAN, and WLAN technologies. Solid grounding in network security and ethical-hacking practices, complemented by full-stack development skills (React, Next.js, Node.js, Flutter) and database work (PostgreSQL, MySQL, MongoDB). Eager to leverage this blend of networking expertise and software insight to deliver resilient, high-performance, and secure network solutions in a collaborative team environment.



## EDUCATION

### Bachelor of Computer Science

2022 - 2025

Bahir Dar Institute of Technology | Bahir Dar University

**GPA:** 3.87 / 4.0

**Exit:** 90 /100



## PROJECTS

### Equilex - Legal Service Platform

Built a full-stack legal service platform enabling clients to file disputes and consult lawyers, with integrated real-time chat and payment system.

**Technologies Used:** Next.js 15, TypeScript, PostgreSQL, Prisma, Pusher, NextAuth, Tailwind CSS

### Real-time Chat & Video Platform

Developed a real-time chat & video call platform enabling users to send instant messages and video call.

**Technologies Used:** Pusher, Next.js, Socket.io, Node.js TypeScript and Tailwind CSS

### Library-Management System

A mini library management system for book cataloguing, lending, adding and control the librarians

**Technologies Used:** Java Netbeans, AWT and swing with GUI

### Todo app

Developed a real-time chat application enabling users to send instant messages, create group chats, and share multimedia content.

**Technologies Used:** Flutter, Node.js, MongoDB

### Campus Network Configuration (Cisco Packet Tracer)

Designed and simulated a subnetted network for a university lab using Cisco Packet Tracer, enabling communication across four separate rooms with dynamic IP assignment and integrated DNS and Mail services. Configured routing protocols and router interfaces via CLI to ensure scalable and classless network operation.

**Technologies Used:** Cisco Packet Tracer, DHCP, SMTP, DNS, Subnetting, Router CLI, Switches, VLAN

## LANGUAGES

- Amharic (Native)
- English (Fluent)



## ACHIEVEMENTS & INTERNSHIP EXPERIENCE

Recognized for academic excellence, consistently maintaining a GPA of 3.87/4.0 throughout my university studies.

Scored 90/100 on Ethiopia's National Exit Exam for Computer Science, recognized as an Outstanding Performance.

Completed a 3-month internship at Alyah Software plc., where I contributed to a web application development project using React, next.JS, Typescript and PostgreSQL.