

# Natnael Messay

## Web Developer

- ✉ natnaelmessay70@gmail.com
- 📞 +251991998852
- 📍 addis ababa
- 🌐 Github

## Profile

A performance-driven Full Stack Developer with strong expertise in MERN stack and PostgreSQL, focused on building scalable and efficient web applications. Proficient in Data Structures and Algorithms, enabling optimized and high-performing code solutions. Detail-oriented and committed to clean, maintainable, and well-documented code practices. Experienced in creating responsive UIs with React/Next.js and robust backends using Node.js and Express. Collaborative team player with excellent problem-solving and communication skills. Adaptable to emerging technologies and passionate about continuous learning and skill enhancement. Dedicated to delivering user-focused, reliable, and high-quality software solutions.

## Languages

Amharic	<div style="width: 100%;"><div style="width: 100%;"></div></div>
English	<div style="width: 100%;"><div style="width: 100%; background-color: #ccc;"></div></div>

## Education

### Bachelor of Science in Computer Engineering

Addis Ababa University  
Jan 2021 – 2025 | 5kilo

## Professional Experience

### Full Stack Developer

*Woldia Highschool > Woldia, Ethiopia*

- Developed a responsive and user-friendly attendance management web application, ensuring a smooth and consistent user experience across devices.
- Built dynamic interfaces using HTML, CSS, and JavaScript frameworks (Next.js) for efficient and interactive content rendering.
- Implemented robust image upload and management for user registration, with full CRUD functionality and centralized error handling for reliability and maintainability.

### Full Stack Developer

*Dina detergent > Adiss Ababa, Ethiopia*

- Upgraded the existing static Dina website into a dynamic MERN stack application (MongoDB, Express.js, React, Node.js) to enable real-time content updates and improve maintainability.
- Optimized performance by minimizing redundant network requests through intelligent API design, component-level caching, and lazy loading of resources.
- Implemented server-side caching (Redis / in-memory) and client-side caching with React Query and browser storage to enhance data retrieval speed.
- Utilized code-splitting and asset optimization to reduce initial load time by 40% (approx.) and improve Lighthouse performance scores.
- Designed RESTful APIs for dynamic data handling, replacing static HTML files and reducing backend overhead.

## Skills

### Front-End

HTML, CSS, Tailwind CSS, Javascript, React.js, Next.js, Vue

### Back-End

Node.js, express.js, Go, Flask

### Database

MySQL, MongoDB, PostgreSQL

### Deployment

Vercel, Render, Heroku, Netlify

### Version Control

Git, Github