

# Mignot Dansa

Software Engineer

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📍 Addis Ababa, Ethiopia

🌐 LinkedIn

🔗 Portfolio

🐙 Github

## Profile

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Software Engineer with experience building full-stack web and mobile applications, backend services, and AI-assisted solutions. Proficient in React, Next.js, Node.js, TypeScript, and Python, with hands-on experience developing scalable systems, designing REST APIs, and delivering production-ready applications.

## Experience

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### Full-Stack Developer Intern, TechEthio IT Solution

06/2025 – 08/2025

Addis Ababa, Ethiopia

- Developed responsive web applications using React.js, Node.js, and PostgreSQL.
- Identified and resolved application bugs through testing and code reviews, reducing the reported bug rate significantly.
- Mentored junior interns on code review practices and Git-based workflows.

### Frontend Developer, Freelance

01/2025 – 06/2025

Remote

- Built responsive React.js applications for multiple clients, reducing page load times by up to 35% through component optimization and lazy loading.
- Integrated frontend applications with REST APIs and third-party services.
- Delivered production-ready solutions while managing multiple concurrent client projects.

### Full-Stack Developer, NetSolutions

02/2024 – 09/2024

Remote

- Developed and maintained full-stack applications using React.js, Node.js, and MongoDB.
- Designed RESTful APIs supporting multiple frontend clients and contributed to testing and deployment workflows.
- Collaborated with distributed teams to deliver project milestones on schedule.

## Education

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### Bachelor of Science in Computer Science and Engineering,

Adama, Ethiopia

Adama Science and Technology University (ASTU)

## Technical Skills

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### Languages

JavaScript, TypeScript, Python, SQL, Java

### Backend

Node.js, Express.js, NestJS, FastAPI

### DevOps & Tools

Git, Docker, CI/CD, Linux, Postman

### Blockchain

Solidity, Hardhat, IPFS, Ethereum Development

### Frontend

React.js, Next.js, React Native, HTML5, CSS3, Tailwind CSS

### Databases

PostgreSQL, MongoDB, MySQL, Supabase

### AI & Computer Vision

OpenCV, Tesseract OCR, AI API Integration

## Projects

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### **SebeVerify — Digital Identity Verification & KYC Platform,**

*Python, FastAPI, OpenCV, Tesseract OCR, React.js, Docker*

- Built a KYC platform enabling organizations to verify user identities through automated document analysis and verification workflows.
- Developed image preprocessing pipelines including deskewing, adaptive thresholding, and OCR optimization to improve data extraction accuracy.
- Implemented field validation, confidence scoring, expiry checks, and audit logging to support compliance and manual review workflows.
- Added duplicate submission detection and fraud-prevention mechanisms to identify suspicious verification attempts.

### **Quorum — Community Platform & Content Management System,**

*Node.js, Express.js, MongoDB, EJS, JWT, Docker*

- Built a full-stack community platform supporting discussions, blogging, and role-based access control.
- Implemented authentication, content moderation workflows, advanced search, and an administrative dashboard.
- Applied security practices including rate limiting, input sanitization, and secure HTTP headers.
- Containerized services with Docker and implemented automated testing for core functionality.

### **Nuvos — AI-Powered Fitness Coach, TypeScript, React Native, Expo, Supabase, SQLite**

- Developed an AI-powered fitness application that provides adaptive training, nutrition, and recovery recommendations based on daily readiness scores.
- Implemented offline-first synchronization using local storage and background syncing to ensure data integrity.
- Built workout tracking, nutrition logging, progress analytics, and social engagement features.
- Integrated Supabase services and serverless functions to support application scalability.

### **EduChain Ethiopia — Blockchain Academic Credential Verification,**

*TypeScript, React.js, Solidity, Supabase, IPFS*

- Built a blockchain-based credential verification platform for secure certificate issuance and verification.
- Designed smart contracts supporting credential issuance, verification, and revocation workflows.
- Implemented public verification tools using blockchain-backed credential fingerprints.
- Developed role-based access controls for educational institutions and credential issuers.

## LEADERSHIP & ACHIEVEMENTS

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### **UniVerseHub, Team Lead & Co-Founder**

- Co-founded a student-focused digital platform to improve access to academic resources and collaboration opportunities.
- Led technical strategy and product development; advanced to the national stage of the Hult Prize competition.

## Languages

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### **English**

Advanced

### **Amharic**

Native