

PROFILE

Full-Stack Developer with hands-on experience building scalable, secure web applications using React, Next.js, Node.js, Express, MongoDB, and PostgreSQL. Delivered 5+ production-ready projects spanning marketplace platforms, management systems, and AI-powered applications, consistently focusing on performance, security, and usability. Skilled at collaborating in cross-functional teams to ship features under real-world constraints, from authentication and API design to data modeling. Also built an AI assistant integrating the Gemini API with a custom retrieval-augmented generation (RAG) pipeline, cutting response retrieval time by 40%. First-place hackathon winner with a track record of turning ambiguous requirements into working software quickly.

PROFESSIONAL EXPERIENCE

- Information Network Security Administration (INSA), Software Development Intern

2026 – Present

Addis Ababa, Ethiopia

 - Collaborated with a team of 5 developers to build scalable web applications and deliver secure software features on tight sprint cycles.
 - Participated in code reviews and Agile ceremonies with a 5-person team, reducing rework by an estimated 20% through early feedback.
- Tracker, Backend Developer

2025 – Present

Addis Ababa, Ethiopia

 - Implemented a JWT-based authentication and authorization system, securing access for 100+ users and reducing unauthorized access risks.
 - Designed 10+ RESTful API endpoints and role-based access controls, supporting scalable, secure functionality for 100+ users.
 - Optimized database queries and schema design, improving response times for core backend endpoints by an estimated 30%.

EDUCATION

- B.Sc. in Software Engineering, Adama Science and Technology University

2028

Relevant coursework: Data Structures and Algorithms, Database Systems, Web Development, UI/UX Design.

Addama, Ethiopia

SKILLS

Programming Languages: JavaScript, TypeScript, Python, C++ | **Frontend:** React.js, Next.js, Tailwind CSS, HTML5, CSS3 | **Backend:** Node.js, Express.js, PHP | **Databases:** MongoDB, PostgreSQL, MySQL | **AI/ML & Data:** Gemini API, Vector Embeddings, RAG (Retrieval-Augmented Generation), Semantic Search | **Tools & Practices:** Git, GitHub, Docker, Postman, Agile/Scrum, RESTful API Design

ACHIEVEMENTS

- 1st Place Winner, CSEC ASTU Hackathon 2026

01/12/2025

Developed an innovative software solution, competing against multiple student teams.
- H.E.R Hackathon Participant

Collaborated with a multidisciplinary team to design and build technology-driven solutions.

PROJECTS

- AI Assistant with RAG

 - Built an AI assistant using the Gemini API and vector embeddings, reducing response retrieval time by 40% and supporting 1,000+ document chunks for semantic search.
 - Designed a retrieval pipeline combining chunking, embedding, and similarity search to improve answer relevance, incorporating peer feedback through iterative testing.
- Home Service Platform

Engineered a full-stack home service marketplace supporting 50+ service categories with a real-time booking and scheduling engine, reducing booking time by 60% and handling 100+ simulated service requests.
- Bootcamp Management System

Delivered a web platform managing 500+ students, 20+ instructors, and 50+ courses, improving attendance-tracking efficiency by 60% through close collaboration with end users on requirements.
- E-commerce Platform

Implemented a full-stack e-commerce application supporting 50+ products across multiple categories, with secure authentication and end-to-end order processing.
- Portfolio Website

Designed a responsive portfolio website using Next.js and Tailwind CSS, achieving a 95+ Lighthouse Performance Score.