

Kidus Mikael Birhanu

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Summary

Motivated and fast-learning master's student with hands-on experience in software development, full-stack web applications, and AI/ML projects. Currently pursuing a master's degree focused on AI and machine learning. Skilled in problem-solving, adaptable in collaborative team environments, and eager to contribute to both web development and AI/ML roles. Seeking an opportunity with a company that fosters continuous learning and professional growth while leveraging my technical expertise to drive innovation.

Education

Blekinge Institute of Technology , Master's in Computer Science Karlskrona, Sweden	Sept 2024 – Jun 2026
Dire Dawa University , Bachelor's in Electrical and Computer Engineering Dire Dawa, Ethiopia	Sept 2019 – Mar 2024

Experience

Internship , National ID Ethiopia (Fayda) – Addis Ababa, Ethiopia	May 2023 – Oct 2023
<ul style="list-style-type: none">Developed and deployed the front-end of the Fayda-MOE integration project using React, enabling seamless communication and data exchange between the National ID system and the Ministry of Education.Managed RESTful API communications to handle responses from the back-end efficiently.Gained hands-on experience with Docker for containerization during the project.Developed a Flutter app with a version 24 QR code scanner to verify the authenticity of IDs by scanning the QR code on the back of the Fayda ID, secured with RSA encryption.Contributed to the development of the main website, id.et, focusing on creating a user-friendly interface and ensuring efficient functionality for accessing National ID services.	
Co-Founder / Full-Stack Developer , NexGen Software Solutions – Dire Dawa, Ethiopia	Feb 2024 – Present
<ul style="list-style-type: none">Collaborated with a team member to design and develop a responsive and visually appealing hotel website and booking system using React and Tailwind CSS for the front-end.Implemented Firebase for back-end functionality, including real-time booking management and database integration.Focused on delivering a seamless UI/UX for both hotel administrators and customers, enabling hassle-free booking and management. Caravan Dire Hotel	

Projects

Comparative Analysis of Machine Learning Models for Alzheimer's Disease	github link
Experimental-Comparison-of-Learning-Algorithms-for-Spam-Detection	github link
Ethiopian Exit Exam Prep with ChatGPT	github link
K-Means Clustering Implementation in C	github link

SKILLS

Languages: Amharic , English , Swedish (basic – completed introductory course)
Programming Languages: C, Python, JavaScript, Bash
Web Development: HTML, Tailwind CSS, React.js, Nodejs, Typescript, Express.js, Django.
DevOps and Cloud: Amazon Web Services (AWS), Docker, Bash scripting, Git, GitHub Actions.
Data Science and Machine Learning: Scikit-learn, Pandas, NumPy.
Databases: MongoDB, MySQL, SQL

CERTIFICATIONS AND ACHIEVEMENTS

- Certificate of recognition for academic excellence from Dire Dawa University
- cs50x introduction to computer science certificate from Harvard university
- React 18 from Code with Mosh