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   Sept 2024 – Jun 2026
Karlskrona, Sweden

Dire Dawa University, Bachelor's in Electrical and Computer Engineering   Sept 2019 – Mar 2024
Dire Dawa, Ethiopia

Experience

Internship, National ID Ethiopia (Fayda) – Addis Ababa, Ethiopia   May 2023 – Oct 2023

- 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,   Feb 2024 – Present
Ethiopia

- Collaborated with a team member to design and develop a responsive, visually appealing hotel website and booking system using **React** and **Tailwind CSS** for the front end, with **Firebase** handling back-end functionality, including real-time booking management.
- Focused on delivering a seamless UI/UX for both hotel administrators and customers, enabling hassle-free booking and management. Caravan Dire Hotel

Projects

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

SKILLS

Languages: Amharic , English , Swedish (basic – completed introductory course)

Programming Languages: C, Python, JavaScript, TypeScript (Familiar).

Web Development: HTML, Tailwind CSS, React.js, Version Control(Git, GitHub).

Databases: MongoDB, MySQL, SQL

Completed course skills : Cloud Computing (AWS tools: EC2, Lambda, S3, and Docker), Machine Learning (Scikit-learn, Pandas, and NumPy), and Programming in a Unix Environment (Bash Scripting).

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