

Fredrick Momanyi Morara

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OVERVIEW

I am a versatile Software Developer and Associate AI Engineer skilled in JavaScript, Python, and modern frameworks. With a foundation in BSc in Information Technology at Kabarak University, I combine a strong academic background in Programming with practical certified expertise. Having built multiple projects from the ground up I am a highly motivated problem solver ready to contribute to a team.

PROJECTS

HANSCREDIT FINANCE WEBSITE, industrial attachment at Benir Houlders LTD.

A Next.js web application using tailwind CSS, Framer Motion and form processing via nodemailer integrated with their custom email hosting for customer support. Successfully launched into production to handle real-time customer inquiries.

AI SMART LIBRARY ASSISTANT, school project.

A B2B custom library chatbot, leveraging a retrieval augmented generation (RAG) strategy in order to help library users with resource discovery based on semantic context of their research.

HAM VS. SPAM EMAIL DETECTION MODEL, school project.

A machine learning project to identify malicious email to help avoid exploitation by malicious parties via a model. Trained 3 models vis algorithms: Multinomial Naive Bayes, Logistic Regression and Linear SVM, where the best performing model was selected.

SPORT STREAMS, personal project.

A Front-end React application to consume a public sports streaming API. It focuses on a modular structure, state management with Redux, and reusable components while keeping the app lightweight and easy to understand.

EDUCATION

BACHELOR OF SCIENCE IN INFORMATION TECHNOLOGY, Kabarak University, Started September 2022 - *Expected Graduation: December 2026*

TECHNICAL SKILLS

1. Programming Languages: JavaScript, TypeScript, Python
2. Web Development: ReactJS, Next.JS, HTML5, CSS3, Tailwind CSS, Redux, Node.JS
3. Artificial Intelligence (AI): OpenAI API, LangChain, RAG, Azure AI Foundry
4. Cloud: Amazon Web Services (AWS), Microsoft Azure
5. Databases: SQL, Pinecone, ChromaDB
6. Version Control: Git, GitHub

SOFT SKILLS

1. Excellent communication and interpersonal skills.
2. Ability to work independently and collaboratively.

3. Adaptability and flexibility to evolving technologies.
4. Good analytical and problem solving ability.
5. Highly motivated and committed to high quality deliverables.

CERTIFICATIONS & PROFESSIONAL DEVELOPMENT

- Associate AI Engineer for Developers, Datacamp.
- Artificial Intelligence Fundamentals, Datacamp.
- React.JS Certification, CodeCademy.
- Web Development Fundamentals, IBM Skills Build.
- JavaScript Essentials 1 & 2, Cisco Networking Academy.
- Linux Unhatched, Cisco Networking Academy.
- NextWork Amazon Web Services (AWS) Projects.
- Introduction to Generative AI, Google.
- Software Engineering Principles in Python, Datacamp.
- AWS AI & ML Scholars, AWS with Udacity.
- Develop generative AI apps in Azure, Microsoft.
- Microsoft Azure Fundamentals (AZ-900), Datacamp.