

JOHN MAMLIN KIMTAI

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 GitHub: <https://github.com/johnmamlin>

PROFILE

Computer Science and Information Technology student at **The East Africa University** with a strong interest in **AI, automation, data analysis, and cloud-based systems**. A highly curious and self-motivated builder with hands-on experience in **Python and JavaScript**, web development, basic data analytics, and system security. Eager to apply technical skills in a real-world environment and contribute to innovative, data-driven solutions while continuing to grow professionally.

SKILLS & COMPETENCIES

Programming Languages: Python, JavaScript, Java

Web Development: HTML, CSS, JavaScript, React

Automation & Scripting: Python scripting, API integration, workflow automation (learning)

Data & Analytics: Basic data analysis with Python, data cleaning, trend analysis

AI & ML: Familiarity with AI tools, LLM capabilities, prompt-based workflows

Cloud & Systems: Basic cloud computing concepts, interest in Google Cloud Platform (GCP)

Cybersecurity & Networking: Basic network security, encryption concepts, penetration testing (simulated environments)

PROJECTS & EXPERIENCE

Web Development Projects

- Designed and developed responsive websites using HTML, CSS, and JavaScript with a focus on usability and performance.
- Implemented interactive UI elements and optimized layouts for different screen sizes.

Data Analysis Projects

- Conducted basic data analysis using Python on social media datasets to identify trends and patterns.
- Cleaned and processed raw data and presented insights using simple visualizations.

Automation & Scripting

- Built Python scripts for data processing and task automation to reduce repetitive manual work.
- Experimented with API-based workflows for data retrieval and integration.

Network Security Setup

- Configured a secure local network as part of a university assignment.
- Implemented firewalls, IP filtering, and password policies to enhance system security.

React Applications

- Built functional React applications using hooks, component-based architecture, and state management.
- Developed reusable components and integrated APIs to create dynamic, data-driven user interfaces.
- Improved application structure, performance, and maintainability through practical React projects.

System Development & Security

- Participated in the development of real-world systems (private or in-progress projects) contributing to practical, market-oriented solutions.
 - Gained hands-on experience in penetration testing by identifying and reporting vulnerabilities in simulated environments.
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SOFT SKILLS

- Strong problem-solving and analytical thinking
 - Ability to learn quickly and adapt to new technologies
 - Team-oriented with good communication skills
 - Honest, transparent, and reliable
 - Creative mindset with an interest in innovation
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EDUCATION

The East Africa University

Bachelor of Computer Science and Information Technology
2022 – Present

Kakamega High School

Kenya Certificate of Secondary Education (KCSE)
2018 – 2022

Kaborom FYM & Kakamega Hill School

Kenya Certificate of Primary Education (KCPE)
2010 – 2017

LANGUAGES

- English – Fluent

- Kiswahili – Fluent
 - French – Basic
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REFEREES

Fred Kaberia

Lecturer, The East Africa University

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Festus Kipchumba

Consultant

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