

CYNTHIA NABIFWO SITUMA

PROFILE

Highly motivated and recent Software Engineering graduate from Kirinyaga University with practical experience in developing full-stack web applications. Proficient in utilizing technologies such as Laravel, PHP, Flask, MongoDB, Java, and JavaScript to build scalable and user-friendly solutions. Possesses a strong foundation in data analysis, machine learning (basic understanding of scikit-learn, TensorFlow), and artificial intelligence, with a keen interest in applying technology to address real-world challenges. Committed to continuous learning, contributing to the tech community, and employing innovative approaches to problem-solving.

EDUCATION

Institution	Qualification	Dates Attended	Key Achievements/Details
Kirinyaga University	Bachelor of Science in Software Engineering	Jan 2021 – Apr 2025	–
Alliance Française	Diploma in French (Distinction)	Oct 2017 – Oct 2020	Achieved Distinction
Africa Leadership School (ALS)	Short Course in Data Analysis	2024	
Bunyore Girls' High School	Kenya Certificate of Secondary Education (B+ Grade)	2017 – 2020	Achieved a B+ Grade
Choronok Primary School	Kenya Certificate of Primary Education	2014 – 2016	Scored 400/500 Marks

WORK EXPERIENCE

- **Riset Software Company — Attachment** May 2024 – Aug 2024, Nairobi During my attachment at Riset Software Company, I actively engaged in system development processes, performing fieldwork to directly interact with users to gather feedback and understand their needs. I also contributed to the maintenance of existing systems, which

involved adding new features based on user requirements and removing outdated or unnecessary functionalities.

- **KTen Investments — Attachment** May 2023 – Aug 2023, Ruiru My attachment at KTen Investments involved practical fieldwork focused on the installation of security and networking infrastructure. I was responsible for the installation of CCTV camera systems for clients, ensuring proper setup and functionality. Additionally, I installed and configured routers to establish network connectivity and deployed POS (Point of Sale) systems for customers, providing setup and initial support.
- **Pablo Entertainment Studios — Sales Clerk** Dec 2021 – Apr 2022 Managed client interactions and provided excellent customer service, contributing to positive customer feedback. Applied creative sales strategies to promote products and services.
- **Toloka Services — French Tutor** Jun 2021 – Sep 2021 Provided effective French language tuition to students, monitoring their progress and adapting teaching methods to individual needs.

PROJECT EXPERIENCE

Car Price Prediction System

- Developed a machine learning-powered web application using Laravel and Python Flask to predict second-hand car prices, providing users with estimated market values.
- Implemented intuitive user interfaces and leveraged historical data analysis for accurate predictive modeling.

Student Portal System

- Created a comprehensive school portal with secure authentication, streamlined course registration processes, and efficient results management using Laravel and MySQL.

AI Chatbot for Student FAQs

- Built a basic AI chatbot using Python and Flask to provide students with instant answers to frequently asked questions about university resources.

E-commerce Site Prototype

- Designed a functional mockup of an e-commerce platform showcasing essential CRUD (Create, Read, Update, Delete) operations, a shopping cart feature, and potential payment gateway integration using PHP and JavaScript.

VOLUNTEERING & EXTRACURRICULARS

French for Hope: Co-founded and actively participated in a program to teach basic French language skills to teenagers in Chwele Township, fostering language learning in the community.

Kirinyaga Christian Union Outreach: Collaborated in planning and executing community outreach initiatives, including the distribution of sanitary pads and visits to local orphanages, demonstrating a commitment to social responsibility.

Programmer's Club Member: Actively participated in coding challenges, expanding technical skills, and attended tech seminars to stay updated with industry trends.

Rugby: Represented the school rugby team at the national level in Machakos, demonstrating teamwork, discipline, and dedication.

Microsoft Tech Seminar Attendee: Participated in a 3-day seminar organized by Microsoft at Kirinyaga University, focusing on cloud computing technologies, artificial intelligence advancements, and career development strategies.

TECHNICAL SKILLS

Programming Languages: Proficient: PHP, Java, JavaScript; Familiar with: Python, C, C++

Frameworks & Tools: Back-End: Laravel, Flask, Node.js; Front-End: HTML5, CSS3; Version Control: Git; API Development: RESTful APIs

Databases: MongoDB, MySQL, SQL

AI/ML: Basic understanding of: Scikit-learn, TensorFlow

Data Analysis: Tools: Excel, Python (Pandas, NumPy, Matplotlib)

Soft Skills: Teamwork: Collaborative and supportive in group projects, contributing effectively to shared goals. **Communication:** Fluent and articulate in conveying technical and non-technical information clearly and professionally. Critical Thinking, Problem Solving, Adaptability, Time Management

Languages: Fluent in English, Kiswahili, Luhya, French

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REFERENCES

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