KAUSARA Y. KPABIA

Software Engineer

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SUMMARY

I specialize in designing and developing full-stack applications, with hands-on experience in building end to end systems, from backend logic and database design to responsive frontends.

PROFESSIONAL EXPERIENCE

Software Engineer
Durra Institute
2023 - 2025
Accra, GH

- Contributed to the development and maintenance of internal web applications using Python, Django, streamlining academic workflows for over 500 students and faculty.
- Designed a course registration and student record system that reduced manual data entry by 70% minimizing administrative errors.
- Integrated secure authentication systems for students and staff, aligning with institutional data privacy policies.

Jnr Software Engineer
Suhuyini & Co.
2022 - 2023
Cape Coast, GH

- Improved UI by updating menus to be more intuitive increasing sales by 5%.
- Spearheaded revamp of tech stack which resulted in 40% decrease in server costs.

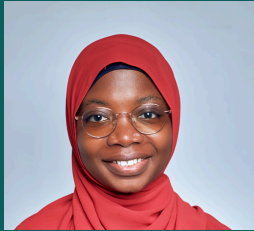### Python Co-Lead
Python Cape Coast
2018 - 2021
Cape Coast, GH

- Co-led regional python community activities, focusing on developer outreach, training, and mentorship.
- Collaborated with national Python Ghana leadership to expand awareness participation in open source initiatives.

Community Lead
PyLadies Cape Coast
2018 - 2020
Cape Coast, GH

- Led the Cape Coast chapter of PyLadies. a global initiative that supports women and global minorities in Python programming.
- Organized meetups, workshops, and hands-on coding sessions to support Python programming and web development.

SKILLS
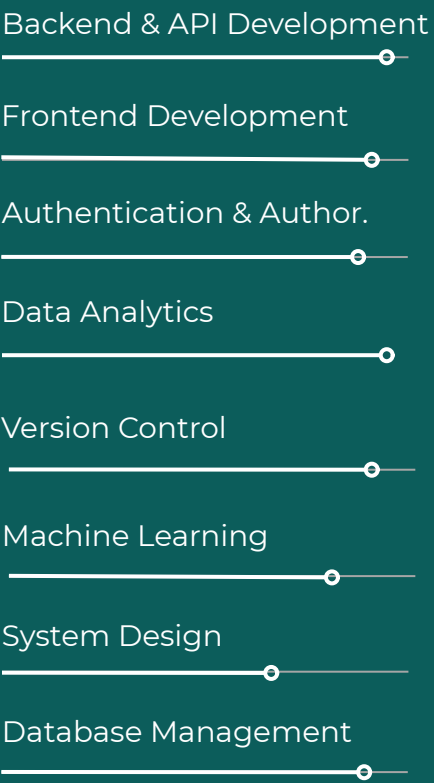
PHP/Laravel
Python/Django
Ruby/Rails

Learning : Java/Spring
C#/.NET

SQL   PostgreSQL   MongoDB

Git   Github   MS Office Suite

LANGUAGES

English	Native
Turkish	B2 level
Arabic	Intermediate

INDUSTRY EXPERTISE

Backend & API Development

Frontend Development

Authentication & Author.

Data Analytics

Version Control

Machine Learning

System Design

Database Management

KEY ACHIEVEMENTS

Feedback and Grading Portal

- Collaborated with academic staff to build a centralized feedback and grading portal, leading to a 40% increase in student engagement with digital tools.

EDUCATION

MSc. Computer Science (July 2026)
University of Ghana, Legon (Weekend Schedule

BSc. Medical Technology
University of Cape Coast

Diploma in Software Engineering
AltSchool Africa

CERTIFICATIONS

SQL - Top 10%
TestDome

Intermediate SQL
DataCamp

AI/ML in Precision Medicine
Stanford University

Advanced Data Analytics
Blossom Academy

VOLUNTEERING

Trainer, Global Code UK

- Co-facilitated IoT & Raspberry Pi workshops, mentoring students on coding and hardware integration.

HONORS & RECOGNITIONS

- Nominated Trainer, Global Code IoT Program: selected to mentor students on Raspberry Pi and hardware integration, 2025

- Selected for the 100 Women in Machine Learning Conference: recognized for leadership and impact in technology, 2019

- 2nd Position, DIV Hackathon: Selected as First Runner-Up among 7 teams at the 'A Day at Hubtel Hackathon', on innovation, technical execution, and potential social impact. 2019

- Academic Excellence Award Nominee, University of Cape Coast, 2017

KEY ACHIEVEMENTS

Adaptive Learning

- Transitioned into tech from a non-traditional background and successfully self-taught full-stack web development through hands-on projects and remote collaboration

PROJECTS

FlyDream: A Flight Booking Web App

Developed a full stack web application for users to search, book, and manage flights with dynamic UI

- Django, PostgreSQL, Tailwind CSS, JS, HTML, Git, Render

HalalFood Bot

A web-based food ordering system for seamless halal food ordering and processing.

- Node.js (Express.js), MongoDB, JWT. Render

join

A rails web app to create private events, invite and manage attendees.

- Rails, Tailwind, PostgreSQL

School Management System

A school management system with diverse user roles and admin panel. Classrooms, Events, Exam schedule etc.

- PHP, Laravel, Filament, Livewire PostgreSQL