

KWABENA DARKO MANU

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EDUCATION

Master of Science in Computer Science, University of California Davis
Software Engineering, Machine Learning, Vision Language Models
Sep 2024 – Ongoing
3.92 GPA

Bachelor of Science in Computer Science, KNUST, Kumasi, Ghana
Web Development, Data Structures, Algorithms, AI, Computer Security
Sep. 2018 – Nov 2022
First Class, 3.94 GPA

TECHNICAL SKILLS

Programming Languages: Python, Java, C++, SQL, JavaScript, Go, C#
Database Technologies: Oracle Database, Microsoft SQL Server, MySQL, MongoDB, Redis, NoSQL
AI / Machine Learning: TensorFlow, PyTorch, Scikit-learn, OpenCV, Pandas, NumPy, Yolo, Matplotlib
Web Development Tools: HTML, CSS, SASS, TypeScript, React.js, Next.js, ASP.NET Core, Django, jQuery, Bootstrap, Tailwind, DevExpress
Tools: Git, GitHub, Docker, Azure, VMware, VirtualBox, Linux, IIS, VS Code, Visual Studio, PyCharm, Eclipse, SSMS, MySQL Workbench

EXPERIENCE

Software Engineer
OgaSendMe
Jan 2024 – Aug 2024
Ghana

- Led the design and deployment of an **e-commerce web platform** using **React**, **ASP.NET Core**, **C#**, and **Microsoft SQL**, hosted on **AWS Cloud Services**.
- Built a **responsive, feature-rich UI** for customer-facing and admin operations, including **product search**, **inventory tracking**, and **transaction management**.
- Developed a **robust RESTful API** using **C#**, **ASP.NET Core**, **Dapper**, and **Swagger**, backed by **stored procedures** on **Microsoft SQL Server** for **high-performance data access**.

Software Engineer Intern
PCES Doo
Oct 2021 – Dec 2021
Ghana

- Contributed to **full-stack development** across the **SDLC** using **Git**, **Postman**, and **Docker** to support delivery of **fintech web services**.
- Developed **modern, responsive interfaces** for a **payment platform** using **HTML**, **CSS**, **Bootstrap**, and **Razor Pages**.
- Created well-documented **web APIs** with **C#**, **ASP.NET Core**, **Swagger UI**, and **Dapper**, improving backend efficiency and achieving a **10x speedup** in **PostgreSQL query performance**.

PROJECTS

Open Source Software Sustainability Simulator (ML-Based Simulation Web App)
Technologies: Python, Django REST Framework, TensorFlow, Redis, NoSQL
Mar 2025

Built a simulation platform to forecast open-source project sustainability using a pretrained ML model. Integrated Django REST APIs and Redis caching for fast, real-time interaction over a NoSQL backend.

KobCommerce (Frontend for a modern e-commerce platform)
Technologies: JavaScript, React, SASS, Netlify
Jan 2024

Developed and deployed a responsive e-commerce frontend using React and SASS. Focused on clean UI/UX, optimized load times, and published a live demo at kobcommerce.netlify.app.