

DESMOND AFARI

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EDUCATION

CodeCademy

Remote

[Data Scientist: Machine Learning Career Path](#)

2022 - 2023

ALX Africa

Accra

[Software Engineering](#)

2022 - 2023

Kwame Nkrumah University of Science and Technology

Kumasi

BSc. Telecommunications Engineering

2017 - 2021

WORK EXPERIENCE

Freelancer

Accra

Software Developer

2023 - PRESENT

- Developed and maintained scalable web applications using React JS and FastAPI, ensuring high performance and robust architecture.
- Implemented responsive design principles, increasing mobile user engagement by 40% through improved layouts and seamless navigation on various devices.
- Ensured cross-browser compatibility through rigorous testing and debugging, providing consistent functionality and appearance on all major web browsers.

National Communications Authority

Accra

Broadcast Engineer

2021 - 2022

- Monitored and streamlined broadcast signals, ensuring compliance with regulations and improving signal quality, resulting in a reduction in transmission errors and enhanced viewer experience.
- Provided technical support to other departments and coordinated with engineers, IT staff, and external vendors, collaborating on technical projects and upgrades to ensure smooth broadcast operations.
- Conducted regular testing of broadcast equipment to identify and resolve technical problems.

Goldman Sach

Remote

Virtual Intern

2020

- Completed a job simulation as a Goldman Sachs governance analyst responsible for assessing IT security and suggesting improvements.
- Identified that the company was using an outdated password hashing algorithm by cracking passwords using Hashcat.
- Wrote a memo for my supervisor summarizing a range of proposed uplifts to increase the company's level of password protection including extending minimum password length and using a dedicated hashing algorithm.

CERTIFICATES

Intermediate Machine Learning

Kaggle

[Show credential](#)

2023

Learn SQL Course

CodeCademy

[Show credential](#)

2023

Data Cleaning

Kaggle

[Show credential](#)

2023

Data Visualization

Kaggle

[Show credential](#)

2023

Build Python Web Apps with Django Skill Path

CodeCademy

[Show credential](#)

2023

Programming for Everybody (Getting Started with Python)

Coursera

[Show credential](#)

2020

PROJECTS

[Personal Blog](#) - Developed and maintained an SEO optimized blog focused on software development. Implemented responsive design and analytics tools to enhance user experience and track growth.

[Movie Recommendation System](#) - Developed a movie recommendation system that suggests 10 movies based on a user's liked movie, utilizing a supervised learning algorithm (KNN).

[Pokébook](#) - Developed a comprehensive and interactive platform dedicated to Pokémon enthusiasts. This website features an extensive database of all Pokémon, detailing their stats, strengths, and weaknesses to help trainers make informed decisions.

SKILLS

Programming Languages: Python, TypeScript, JavaScript, SQL, C Programming

Data Science & Machine Learning: Pandas, Scikit-Learn, Data Cleaning, Hypothesis Testing, Statistics, Data Visualization, Exploratory Data Analysis (EDA), Feature Engineering, Neural Networks

Web Development: ReactJS, FastAPI, HTML, CSS, TailwindCSS, SASS, Responsive Web Design, Node JS, Django

Tools & Technologies: Git, SQLAlchemy, JWT, Nginx, MySQL, PostgreSQL, Linux, Secure Shell

Soft Skills: Problem-Solving, Critical Thinking, Team Collaboration, Communication Skills