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 optimized 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 optimized 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 - 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- Identified that the company was using an outdated password hashing algorithm by cracking passwords using Hashcat.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

Python, TypeScript, JavaScript, ReactJS, FastAPI, C Programming, Git, Pandas, Scikit-Learn, Data Cleaning, Hypothesis Testing, Statistics, Data Visualization, Exploratory Data Analysis (EDA), Feature Engineering, Machine Learning, Neural Networks, Bash, HTML, CSS, TailwindCSS, SASS, Responsive Web Design, Probability, Secure Shell, Computer Networking, SQLAlchemy, JWT, Nginx, MySQL, PostgreSQL, Linux, Problem-Solving Skills, Critical Thinking, Team Collaboration, Communication Skills