Jeffrey Adu

Aspiring Full-Stack Developer with a Strong Analytical Background

Transitioning from petroleum engineering to tech with a solid Python and full-stack development foundation, eager to leverage programming knowledge and a proactive problem-solving approach in a dynamic web development role.

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EDUCATION

Petroleum Engineering
University of Portsmouth

09/2018 - 07/2021   *Southsea,Portsmouth,Uk*

Courses
- Thesis: developed a computer program using python, tinkter and matplotlib

Computer Programmer
Algonquin College

01/2024 - Present   *Ottawa,Ontario,Canada*

Courses
- Java
- Linux
- Databases

WORK EXPERIENCE

IT Support
Casa City

09/2021 - 08/2022   *Accra,Ghana*
Construction Company

Achievements/Tasks
- Ensured strict data security and access controls by managing permissions for the company's OneDrive cloud storage, allowing only authorized team access and routinely updating passwords to safeguard sensitive information.
- Provided technical support and troubleshooting for software and hardware issues, ensuring minimal downtime and maintaining operational efficiency.
- Assisted in website content management and updates, aligning with company objectives.

SKILLS

Postman | Effective Communication | Express.js | HTML | Vanilla JS | React.js | CSS | Python | Problem Solving | Ajax | Java | Git/Github | Great Team Player | RESTful API | Node.js | Render | PostGreSQL | Knex.js | ssh | Nuxt | TypeScript

PERSONAL PROJECTS

"Mr. Brains" - Pioneering Facial Recognition for Enhanced Multimedia Analysis
- Developing a facial recognition platform using React, Node.js/Express.js, and PostgreSQL. Features include multimedia content analysis and advanced security measures. Initiated with Vite and deployed on Render.

Dynamic Maze Solver
- Engineered an interactive React web application that visually demonstrates the functionality of **Breadth-First Search (BFS)** and **Depth-First Search (DFS) algorithms** for maze-solving. Utilized advanced React Hooks to manage dynamic state changes and implemented CSS animations to enhance user engagement. The application provides a hands-on experience, allowing users to dynamically generate mazes and observe in real-time how each algorithm approaches pathfinding, illustrating key differences and applications of BFS and DFS in computational problem-solving.

Jarvis Arificial Intelligent Chatbot
- Developed 'Jarvis', an AI-driven chatbot for Algonquin College, utilizing TypeScript and Nuxt.js, integrated with OpenAI's powerful API. This project demonstrates significant competencies in full-stack development, API integration, and delivering practical AI solutions in an educational environment.

CERTIFICATES

Complete python developer (01/2020 - 06/2020)

NFT 101 : Introduction to NFTS (01/2024 - 01/2024)

PCEP – Certified Entry-Level Python Programmer