

# 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
- Databases
- Technical Math for Engineers

## 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

## 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.

### RoboFriends Web App

- Engineered a responsive React web application leveraging AJAX calls for live API data retrieval, utilizing lifecycle methods in class components to ensure real-time search functionality within a robot directory.

### Live Orbital Tracker: ISS on the Move

- Developed a real-time tracking web application for the International Space Station using React.js, Leaflet.js, and asynchronous API calls, demonstrating rapid adaptation to new libraries and advanced use of React hooks for dynamic data presentation.

## CERTIFICATES

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

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

PCEP – Certified Entry-Level Python Programmer