**Bright Kwadwo Boadu**

Phone: 825-898-8234 |Location: Edmonton, AB

Email: [brbojr@gmail.com](mailto:brbojr@gmail.com)

LinkedIn: <https://www.linkedin.com/in/bright-kwadwo-boadu/>

GitHub: https://github.com/bkjboadu

# AI/ML AND SOFTWARE ENGINEER

**Programming** |**Web Frameworks** |**Data Manipulation** |**Visualization** |**Computer Vision**

I am a highly skilled AI/ML Engineer with machine and deep learning algorithms, programming languages, and data analysis expertise. I specialize in developing and implementing models for real-world applications, with a passion for driving innovation and solving complex problems. Proficient in popular AI/ML libraries and frameworks, I ensure efficient model development and deployment. My strong problem-solving abilities, collaborative mindset, and dedication to staying at the forefront of industry advancements drive my commitment to making a positive impact.

# EMPLOYMENT EXPERIENCE

**Software Engineer,** Freelance - Multinational Organizations (Online) 2021-Present

* Collaborate with stakeholders, including project managers, designers, and other developers, to gather requirements and understand project objectives.
* Design and develop web applications using the Django framework, following best practices, and coding standards.
* Create and maintain database models, ensuring efficient data storage and retrieval.
* Implement server-side logic and business logic to meet project requirements.
* Develop and consume RESTful APIs to integrate with external systems.

**AI/ML Engineer,** Yinson Production West Africa Ltd., Takoradi, Ghana 2020-2023

* Implemented machine learning algorithms such as neural networks, support vector machines, and clustering.
* Used algorithms to improve the accuracy of machine-learning models.
* Developed and implemented state-of-the-art machine learning models for various projects, including computer vision and natural language processing applications.
* Led a team of data scientists and engineers in designing and implementing a deep learning model for image classification with an accuracy improvement of 15%.
* Conducted extensive data analysis and preprocessing to ensure high-quality input for training and validation.

# RELATED WORK EXPERIENCE

**Intern,** Yinson Production West Africa Ltd., Takoradi, Ghana 2019

# PROJECTS AND KEY ACCOMPLISHMENTS

* Designed and implemented a state-of-the-art facial recognition system, leveraging advanced deep learning techniques.
* Computer vision to measure joint flexion of basketball players.
* Engineered a real-time face detection system that harnesses the potential of advanced deep-learning techniques.
* Designed and implemented a real-time mask detection system by leveraging TensorFlow and the TensorFlow Object Detection Model API.
* Pioneered the development of a sign detection system, coupled with action recognition, using TensorFlow.

# EDUCATION AND CERTIFICATIONS

**BSc in Mathematics,** Kwame Nkrumah University of Science and Technology, Ghana 2020

**Relevant Coursework**

* Partial and Ordinary Differential Equations
* Probability and Statistics
* Linear Algebra
* Numerical Analysis