

Boansi Kyeremateng Collins

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Full Stack Developer | Machine Learning Specialist | Mobile App Developer

Education

University of Energy and Natural Resources

BSc. Computer Science (2020–2024, Completed)

Bekwai SDA SHS

General Science (2016–2019, Completed)

ST. Joseph's Practice

BECE (2013–2016)

Summary

Proficient in Python and Django development with extensive experience building web applications and contributing to innovative product ideas. Strong foundation in software engineering, having worked on impactful projects such as hospital websites, blood bank management systems, and authentication systems. Skilled in full-stack development, proficient in databases, operating systems, and tools like Git and GitHub. Experienced in mobile app development using Flutter, delivering cross-platform applications with responsive designs. Expertise in machine learning, particularly using TensorFlow and Keras for advanced solutions like glaucoma detection. Adept at collaborating with teams to enhance system functionality and user engagement.

Technical Skills

- Programming Skills:** Python, JavaScript, HTML, SQL, CSS, C
- Frameworks:** Django, Angular, Flutter, Bootstrap
- Mobile App Development:** Flutter (Cross-platform development)
- Data Analysis:** Pandas, Numpy, Matplotlib, Scikit-learn
- Machine Learning:** TensorFlow, Keras
- Databases:** SQL, PostgreSQL
- Operating Systems:** Windows, Ubuntu, Linux
- Tools:** Git, GitHub, Docker, Visual Studio, Jupyter Notebook, Android SDK
- Soft Skills:** Effective Communication, Time Management, Team Player

Professional Experience

National Service Personnel, NascoTect

October 2024–Present

Collaborating with teams to build Express Remit, a mobile app focused on streamlining remittance services.

Intern, Pisgah Advanced Medical Centre – Bechem, Ahafo

May 2022–Present

Built a website for advertising and booking appointments with physicians, enhancing accessibility to healthcare services. Collaborated with the IT staff to troubleshoot and manage systems effectively.

Volunteer Web Developer, Pisgah Advanced Medical Centre – Bechem, Ahafo
2023–March 2024

September

Collaborated with a cross-functional team to develop the Pisgah Advanced Medical Centre website, resulting in a 50% increase in patient inquiries and engagement within three months.

Projects

Blood Bank Management System (August 2020–May 2022)

Designed an online system to connect blood donors with patients in need, streamlining the blood donation process.

ASK Diag. (August 2020–May 2022)

Developed a system enabling doctors to prescribe emergency medications before patients arrive at the hospital.

Authentication System (August 2020–May 2022)

Created a secure system to verify user eligibility and ensure robust authentication.

Glaucoma Detection System (May 2019–August 2020)

Developed a machine learning model using Generative Adversarial Networks (GANs) to detect glaucoma at early stages.

Certifications and Learning

Data Science Program (In Progress)

Great Learn

Leadership and Extracurricular Activities

Adventist Youth Director

Led youth initiatives, driving engagement and personal development.

Personal and Youth Ministries

Held various leadership positions, fostering teamwork and spiritual growth.