

AKOWUAH CHRISTIAN SARPONG

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EDUCATION

Kumasi High School

Graduated September, 2023

General Science

Courses Studied: Core Courses (English, Core-Maths, Int. Science) Elective Courses (Elective-Maths, Physics, Chemistry, Biology, ICT, PE)

Certifications: Responsive Web Design, JavaScript Algorithms and Data Structure, Front End Development, Data Visualization, Scientific Computing with Python, Cybersecurity, Computer Networking, Principle of Environmental Impact Assessment, Healthy and Safety Planning Fire Alert

Diplomas: Computer Networking, Cybersecurity, Website Development using HTML & CSS, Information Technology Support, Machine Learning.

EXPERIENCES

Web/App Developer Intern | IPMC Ghana

November 2023 – December 2023

- Proficient in Full-Stack Development:** Mastered HTML, CSS, JavaScript, PHP, and MySQL to create responsive and dynamic web applications, enhancing user experience and functionality across platforms.
- Dynamic Web Application Design:** Successfully designed and deployed five dynamic web applications, utilizing responsive design principles and modern frameworks to ensure seamless performance across various devices and browsers.
- Enhanced Security Measures:** Implemented robust security protocols, including data validation and encryption, to safeguard applications against common vulnerabilities, ensuring the protection of user data and compliance with industry standards.

Software Engineer Intern | JIC Global LTD, Ghana

February 2024 - March 2024

- Full-Stack Development:** Proficient in designing and developing dynamic web applications using HTML, CSS, JavaScript, PHP, and MySQL. Led projects that improved user engagement and performance, implementing responsive design principles to enhance accessibility across devices.
- Software Optimization and Security:** Skilled in identifying and resolving performance bottlenecks in software applications. Conducted thorough security assessments to enhance application security, implementing best practices that resulted in a **30%** reduction in vulnerabilities.
- Network Configuration and Management:** Experience in configuring and managing network infrastructures, ensuring optimal performance and security. Collaborated with cross-functional teams to implement networking solutions that improved data flow and reduced downtime by **25%**.
- Data Analysis and Predictive Modeling:** Developed predictive models to enhance decision-making processes in software applications, utilizing data analytics tools. Analyzed large datasets to optimize inventory management, resulting in cost savings and improved operational efficiency.

Data-Driven Accountant Intern | Lambark Gas Company LTD, Ghana

April 2024 - June 2024

- Web Development:** Designed and developed dynamic, user-friendly websites using HTML, CSS, JavaScript, PHP, and MySQL, enhancing user engagement and site performance through responsive design and optimization techniques.
- Data Analysis:** Conducted comprehensive data analysis in finance, leveraging advanced analytical tools and methodologies to interpret financial data, identify trends, and provide actionable insights that support strategic decision-making.
- Accounting Applications:** Developed innovative applications for accounting purposes, integrating functionalities such as automated invoicing, expense tracking, and financial reporting, resulting in increased efficiency and accuracy in financial management processes.

E-commerce Developer | Ghana Web Design, Ghana

July 2024 - August 2024

- Data-Driven Decision Making:** Conducted extensive data analysis using tools like Google Analytics and Excel to track customer behavior and sales trends, leading to targeted marketing strategies and inventory optimization. Developed predictive models to forecast demand, reducing overstock by 20%.
- Full-Stack E-Commerce Development:** Designed and developed dynamic e-commerce platforms using HTML, CSS, JavaScript, PHP, and MySQL, resulting in improved user experience and increased sales conversions by 30%. Implemented responsive designs to ensure seamless functionality across devices.
- Performance Optimization and Security Enhancements:** Identified and resolved performance issues, improving page load times by up to 50%. Implemented advanced security measures, including SSL encryption and regular security audits, to protect user data and maintain compliance with industry standards.

LEADERSHIP & SERVICES

Volunteer (Team Leader) | Agribot Ghana

August 20219 - Present

- Designed and built advanced robotic systems for planting and harvesting, successfully automating critical agricultural tasks while overcoming integration challenges with traditional equipment; leveraged data analytics and machine learning to optimize growth conditions, resulting in a 25% increase in overall agricultural productivity and a 30% reduction in labor costs.

Volunteer (Youth Leader) | SPANA Ghana

October 2022 - Present

- Delivered comprehensive veterinary care and training to animal handlers, educating 20 communities on best practices for animal welfare, improving health outcomes, and empowering caregivers through effective awareness campaigns, ultimately enhancing the quality of life for working animals and their communities.

Founder & Leader | Boys & Girls Power Club

February 2020 - Present

- Mentored and supported 150 children by providing nutritious meals, tutoring in math and science, and crafting engaging educational activities, resulting in enhanced academic performance and improved nutritional awareness, while fostering a positive and stimulating learning environment.

SKILLS

- Technical:** Web/App development, Web design, Cybersecurity audits, Technical support, E-commerce, Data analysis, Project Collaboration, Digital Security, Automation scripts, Programming and Debugging, Tutorials and Workshops, Leadership, Team Management, Team Work
- Tools:** VS Code, PyCharm, Github, Git, Canva, Wireshark, TeamViewer, Magneto, Excel, Google Sheet, Zoom, OpenSSL, ClickUp **proficient;** Word, Outlook, Adobe XD, Figma, AnyDesk, Shopify, SQL, PowerPoint, Jira, Ansible, Jenkins, Firebug, ESLint **intermediate;** Tableau, VeraCrypt, **beginner;**

HONORS & AWARDS

- Tech Innovator Award; Designed 500+ sites/apps for small businesses with CodeConnect Ghana; 2024; National; Postgraduate.
- Cybersecurity Achievement Award; 4 networks gained, 8 threats solved, 3 IT certs via Alison, 2024; International; Postgraduate.
- Microsoft Ghana Coding Champion; 1st place; led team, inspired peers, represented Ghana in 2023 tech; National; Grade 12.
- Agribot Robotics Pioneer Award; Built agri-robots, boosted productivity by 20%, saved 100+ labor hours; 2023; National; Grade 12.
- Youth Service Leader Medal; SPANA Ghana Award; Led animal care education across 20 communities, uplifted welfare; 2022; National; Grade 11.
- Nestlé Sports Leadership Award: Led track team to regional victory, won 4 medals, and represented school; 2021; Regional; Grade 10

