BRIGHT OMARI OWUSU

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EDUCATION

Grambling State University — Grambling, LA, USA

Bachelor of Science in Computer Science/Cybersecurity   (Expected May 2028)

Relevant Coursework: Data Structures and Algorithms, Fundamentals of Cybersecurity, Operating Systems, Object Oriented Programming, Computer Systems & Network, Discrete Structures

TECHNICAL SKILLS

Languages: Python, C++, JavaScript, TypeScript, Java

Tools/Skills: AWS, Firebase, API Integration, React, Vercel, Vulnerability Assessment, Project Management

Certifications: AWS Cloud Foundations, AWS Academy;

Full-Stack Open, University of Helsinki;

Intro to Cybersecurity, CISCO Network Academy   View Certificates on Credly

EXPERIENCE

Junior Intern — Citizens Bank   *Jan 2024 – Mar 2024*

- Assisted the Chief Information Security Officer (CISO) in maintaining and strengthening the organization's security posture, contributing to vulnerability assessments and incident reporting.
- Identified, tested, and reported vulnerabilities on internal banking platforms to mitigate cyber risks.

IT Support Volunteer — NHIS Ghana   *Nov 2022 – Feb 2023*

- Supported staff in gathering and inputting and managing detailed client information within a secure database, ensuring accuracy and confidentiality
- Collaborated with the IT team to design and develop a user-friendly website for efficient client data logging and management.

PROJECTS

Website Vulnerability Scanner — *Python, Asyncio, AI*   GitHub: WVS-scanner

- Built a Python-based scanner by implementing asynchronous programming that detects and reports vulnerabilities in websites through crawling and head testing.
- Utilized Google Gemini API to translate vulnerability report into simple language for easy understanding by non-technical individuals.

Pomodoro Play — *JavaScript, JSON, Chrome APIs, Vercel*   Install: Pomodoro

- Developed a Chrome extension based on the Pomodoro Technique**,** enabling users to manage work and break cycles effectively with customizable timers, ambient music, and interactive mini-games for a balanced workflow.
- Enhanced productivity features by integrating tab tracking, video bookmarking, and a built-in to-do list, allowing users to organize tasks seamlessly while maintaining focus.
- Implemented smart reminders and notifications to help users stay on track, reinforcing structured work sessions and improving overall study efficiency.

Church Website — *React, Tailwind, Node.js, Netlify*   View Site: My Church

- Designed and deployed a dynamic website for a local church to improve its digital presence and community engagement
- Implemented responsive design principles to ensure seamless user experience across devices.

Research Team Portal — *JavaScript, Firebase*   Join: Research

- Built a centralized platform with Firebase authentication to streamline research collaboration and secure team access.
- Integrated task-sharing, real-time updates, and dynamic content sharing for efficient workflow management.

CAMPUS INVOLVEMENT

Tech Other Side Research Team   Jan 2025 – Present

- Contributed to research on remote employee monitoring solution with an aim of developing a tool that balances legal, well-being, and productivity needs for both employees and employers.
- Provided web development expertise and conducted field research to support project goals.

ColorStack Grambling   Jan 2025 – Present