GUUROH CHRISTINA

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PROFESSIONAL SUMMARY

I am an IT graduate passionate about leveraging data Science to develop sustainable solutions for Africa's challenges. I demonstrated leadership as a course representative and as the project lead for a virtual reality campus tour application. I gained valuable experience at CSIR-FORIG and Newmont Ghana Gold Ltd., where I supported IT operations. I have been honored with multiple awards for academic excellence and resilience. I am from Ghana.

EDUCATION

University of Energy and Natural resources (UENR).   **2020 - 2024**

Bachelor of Science in Information Technology.

- **CGPA:** 3.78/4.0
- **Relevant courses:** Statistics, Probability, Numerical analysis and computation, advanced Database Systems, Data Mining and warehouse, object-oriented programming with java, programming with C++, Data structures and algorithms, cloud computing, computer crime and forensics.
- **Thesis**: design and development of a virtual reality campus tour application.

RESEARCH INTERESTS

- Machine learning and predictive modeling
- Applied data science for sustainable systems
- Data analytics for decision support Systems
- Data and security

PRESENTED PROJECTS

Car Tires Waste Management in Mining Areas: Newmont Ghana Gold Limited.   *2025*
- Researched innovative solutions for managing waste car tires in mining areas.
- Proposed practical reuses of waste tires to reduce storage challenges and improve sustainability on site.

Virtual Campus Tour: Final year project.   **2024**
- Designed and developed a VR-based virtual environment of the UENR campus, enabling remote users to explore the campus.

Leave Management System: CSIR-FORIG, internship   **2023**
- Collaborated with a team to build a leave management system using python, html, CSS, and JavaScript.

PROFESSIONAL EXPERIENCE

National Service Personnel (IT Support)   **Nov 2024 – Sep 2025**

Newmont Ghana Gold Ltd., Ahafo North, Ghana.

- Documented system processes, application behaviour, and performance issues to support troubleshooting.
- Reviewed operational and environmental data outputs, identifying inconsistencies and reporting errors for correction.
- Assisted in managing user access control, validating entries to ensure data accuracy and system security
- Supported application testing and system checks to maintain uptime and functional reliability.
- Provided technical assistance to end users, resolving IT-related issues and escalating complex cases when needed.

IT Support Intern   **Oct 2023 – Dec 2023**

CSIR-FORIG. Kumasi, Ghana.

- Participated in scientific seminars, gaining exposure to data-driven research methods and research interpretation.
- Ensured completeness, accuracy, and consistency of stored data across multiple digital repositories.
- Collaborated with a team to develop a Leave Management System, contributing to UI design.
- Implemented user access rights and permissions to protect organizational data and system integrity
- Assisted with routine system maintenance, software updates, and user support tasks.

IT Support Intern   **Oct 2021 – Dec 2021**

CSIR-FORIG. Kumasi, Ghana.

- Designed and managed a structured backup schedule to support data recovery and continuity planning.
- Assisted in data collection, analysis, and reporting for environmental and land-use research projects.
- Monitored and maintained network infrastructure, including routers and switches, to ensure stable connectivity.
- Supported troubleshooting of hardware and software issues for staff across different departments.
- Documented IT service requests and resolutions to support knowledge sharing and operational efficiency.

TECHNICAL & RESEARCH SKILLS

- **Programming & Tools**: Python, JavaScript, React.js, HTML/CSS, Flutter, SPSS, Excel, Power BI

- **Research Skills**: Literature Review · Data Collection & Analysis · Academic Writing · Research Reporting

VOLUNTEERING

- I volunteered as an IT Support intern at CSIR-FORIG.
- I participated in voluntary clean up exercises as a member of the Catholic Youth Organization (CYO).
- I did voluntary mentorship for junior colleagues at the University of Energy and Natural Resources (UENR).

ACHIEVEMENTS & LEADERSHIP

Best Student in Department (Graduation, 2024) |Course Representative (Level 100) | Best Student Awards: 2nd & 3rd Year