

CURRICULUM VITAE

NKETIA JEFFRED ATTA OWUSU

Tel: +233543194406

Email: nketiajeffred@gmail.com

PROFILE

I am a youthful, energetic, and self-motivated gentleman who is constantly eager to acquire new knowledge and rapidly adjust to any working environment I find myself in. I am a BTech Computer Technology graduate who possesses strong communication skills, excellent organizational skills, the ability to work under pressure, and a solid commitment to teamwork.

CAREER OBJECTIVE

- To exemplify honesty, respect, humility, and self-discipline.
- To expand my knowledge in emerging technologies and secure a challenging role to apply technical skills and innovate
- To protect data and systems through threat analysis and security protocols for effective policy recommendations within the organization.
- To drive innovation in AI and ML applications and Leverage expertise to solve real-world problems.

EDUCATION AND TRAINING

- **WEB TECHNOLOGY**

Ghana-India Kofi Annan Centre of Excellence in ICT (GI-KACE).

November, 2024 - December, 2024

- **BTECH COMPUTER TECHNOLOGY**

Kumasi Technical University, Kumasi.

September 2020- November 2024.

- **WEST AFRICAN SENIOR SCHOOL CERTIFICATE EXAMS (WASSCE) – GENERAL ARTS**

Presbyterian Boys' Secondary, Greater Accra.

October 2015– May 2018

Major Courses undertake:

Geography, Elective ICT, Economics, and Elective Mathematics

CURRICULUM VITAE

WORK EXPERIENCE

Research Assistant as (NSS Personnel)

Kumasi Technical University's Institute of Research Innovation and Development (IRID) [2023-2025]

I work with the IRID Director to;

- Prepare Lecture notes.
- Organization of tutorial sections.
- Assisting the director in carrying out research activities.
- Collection of data
- Entering data
- Conducting Data analysis and reporting.
- Running errands
- Rendering I.T services at the Institute

ENUMERATOR: GHANA NATIONAL HOUSEHOLDS REGISTRATION (GNHR), [09, 2023 – 11, 2023]

- Collecting accurate and reliable data from survey participants.
- Verify the authenticity and accuracy of the information provided by respondents.
- Followed established protocols, guidelines, and ethical standards throughout the data collection process.

I.T CONSULTANT (INTERN) – KADE GOVERNMENT HOSPITAL, Eastern Region - Ghana, 2021.

- Contributed to the hospital in the following activities:
- Involved in data input and processes to identify and correct errors in datasets.
- Offered support to hospital staffs on various systems and software tools used in daily operations.
- Assisted in training healthcare staff on new systems and updated processes on the lhims Hospital management system

CURRICULUM VITAE

COMMUNITY ENGAGEMENT

- Supervisor – LEAP (Livelihood Empowerment Against Poverty) Survey Project; supported community empowerment efforts.
- Volunteer – KSTU–GSDF Garbage Sorting & Sustainable Environment Campaign Quiz Competition 2025.
- Actively engaged in charity and social development projects within the community

LANGUAGE PROFICIENCE

1. English
2. Twi

RESEARCH INTEREST/AREAS

- Artificial Intelligence and Machine Learning
- Application of cybersecurity in Social Science Research
- Computer Vision
- Quantum Computing

ACADEMIC PROJECT

- The role of machine learning models in detecting malicious urls in cybersecurity. KsTU as a case study (undergraduate project work 2024).
- Predicting the impact of Social and Emotional learning on student academic performance.

TRAININGS & CERTIFICATIONS

- YEA Skills Training – Electricals
- Amalitech Coding Club Boot Camp
- KSTU–GSDF Garbage Sorting Training Program (Team Organizer)

CURRICULUM VITAE

LEADERSHIP & ASSOCIATIONS

- Executive Organizer – Computer Science Students Association (KSTU) - Sept 2022 / August 2023
- Vice President – Khoders World Ghana Programming Class (Peer Tutoring Program) - 2022 / 2023
- Founder & President – Nextbrain Engineering & Robotics Club, KSTU - 2022 / 2024
- Campaign Team Manager & Consultant – Student Political Campaigns - 2022-2025

PROJECTS & PRODUCT MANAGEMENT

- Product Manager & Developer – Student Resource Connect (SRC) Mobile App; successfully scaled for institutional adoption.
- Product Manager – Hotel Booking System (White House Hostel Project); delivered customized digital solution for a client.
- Developer – Created QR Code-based digital attendance tracker, used for over 50 participants in KSTU-GSDF Sustainable Environment Campaign 2025

TECHNICAL SKILLS

- Data Visualization (Power BI, Ms. Office)
- IT Services: Maintenance, Troubleshooting & Software Installation
- Team Leadership & Project Coordination
- Teaching and Research skills.
- Critical thinking and logical reasoning.
- Good communication skills both written and verbal.
- Excellent organizational skills.

AWARDS & CERTIFICATIONS

- Awarded Certificate of Competence in Electricals – Professionalization of Artisans (ProArt 2024),
- Awarded Certificate of Competence in Garbage Sorting and Environmental Sustainability, Kumas.
- Received Certificate of Recognition and Honor for contribution to the development of the KSTU SRC Mobile App.

HOBBIES AND INTERESTS

- Listening to Music
- Reading
- Watching Documentaries

CURRICULUM VITAE

VOLUNTARY ACTIVITIES

- Helped some junior course mates in courses like Python Programming, Computer Literacy, and Web Development.
- Rendering I.T Services, maintenance and Software installations for students and Staffs.
- Leading students into the field of STEM Education through my established Robotics club on campus called Next Brain.
- Leading student politics campaign
- I regularly show charity to the Poor and needy.

REFEREES

Prof. Smart A. Sarpong

Director, Institute of Research Innovation and Development (IRID), Kumasi
Technical University, Ghana.

Tel: (+233) 244 028 091.

Email: Smart.Asarpong@Kstu.Edu.Gh

Evans Kotei (PhD, MSc, BSc)

(Lecturer)

Kumasi Technical University

Faculty of Applied Science and Technology

Department of Computer Science

E-mail: evans.kotei@kstu.edu.gh

Tel: 0244149381

CURRICULUM VITAE