Tengan Edward
Computer Engineering Graduate
✉ tenganedward448@gmail.com | ☎ +233-024-530-9490
🌐 Sunyani, Ghana | 🔗 linkedin.com/in/t-edward

Professional Summary

Recent Computer Engineering graduate with expertise in data analysis, Computer Network Administration and embedded systems. Strong foundation in Python, SQL, Power BI, and machine learning, with hands-on experience in full-stack development, automation, and IoT solutions. Passionate about leveraging technology to solve real-world challenges.

Education

Bachelor of Science in Computer Engineering

University of Energy and Natural Resources (UENR), Sunyani

Relevant Coursework:

- Data Structures & Algorithms
- Database Systems
- Computer Networks
- Embedded Systems
- Artificial Intelligence

Technical Skills

Programming & Development

- Languages: Python, JavaScript, SQL, C++, Java

- Web Development: HTML/CSS, React, Node.js, Flask
- Databases: MySQL, PostgreSQL, MongoDB
- Version Control: Git, GitHub

Data Analysis & AI

- Data Tools: Power BI, Tableau, Excel
- Machine Learning: Scikit-learn, TensorFlow, Pandas, NumPy
- Statistical Modeling: Regression, Clustering, A/B Testing

Embedded Systems & IoT

- Microcontrollers: Arduino, Raspberry Pi, ESP32
- Protocols: MQTT, SPI, I2C, UART
- PCB Design: KiCad, Proteus

Cloud & DevOps

- Cloud Platforms: AWS (EC2, S3), Google Cloud
- Automation: CI/CD (GitHub Actions), Docker

Projects

1. Scientific Calculator (Python)

- Developed a GUI-based calculator with advanced mathematical functions.
- Technologies: Python (Tkinter), NumPy

2. Biometric Verification System

- Built a fingerprint-based authentication system reducing fraud by 83%.
- Tech Stack: Python, OpenCV

3. Business Analytics Dashboard (Power BI)

- Created interactive dashboards that cut reporting time by 70%.
- Integrated SQL queries for real-time data visualization.

4. Weather Monitoring IoT Device

- Designed a Raspberry Pi-based weather station with cloud data logging.
- Features: Temperature, humidity, and air quality tracking.

Work Experience

Data Analyst Intern

June 2023-August 2023   Amaltiech Solutions Ghana, Accra

- Automated Excel reports using Python, reducing manual work by 50%.
- Developed Power BI dashboards for sales performance tracking.
- Conducted customer segmentation analysis improving marketing ROI by 25%.

2024 – Present	Freelance Web Developer	Self-Employed

- Built 5+ responsive websites for small businesses using React & Node.js.
- Optimized SEO performance, increasing client traffic by 40%.

Certifications

- Google Data Analytics Professional Certificate (Coursera)
- AWS Certified Cloud Practitioner (In Progress)
- Digital Marketing(Microsoft)
- Microsoft Power BI Certification (Udemy)
- Network Administrator Certificate(CISCO-CCNA)

Soft Skills

- Problem-Solving
- Team Collaboration
- Technical Documentation
- Agile Methodology

Languages

- English (Fluent)
- Twi
- Dagaare(Native)