

# STEPHEN AMANKWAH

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## SKILLS

**FRONT-END DEVELOPMENT** | JavaScript, HTML, CSS, ReactJS

**WEATHER & CLIMATE MODELING** | GCM, C3S, CDT

**GEOGRAPHIC INFORMATION SYSTEM (GIS)** | ArcGIS, QGIS, Surfer

**DATA ANALYSIS** | Instat+, RInstat, CPT, Microsoft Excel, R

**CROP MODEL** | DSSAT, CropWat, CRAFT

**SOFT SKILLS** | Team player, Deliver results, Git, Netlify, Vercel, Trello

## EXPERIENCE

**MEST AFRICA | JAVASCRIPT, HTML, CSS, REACTJS | FRONTEND DEVELOPER**

MAY 2024 – AUGUST 2024

## PROJECTS

### CONSTRUCTION COMPANY WEBSITE

- Developed a responsive website to showcase the company's services, projects, and contact information.
- Implemented a clean and professional design using HTML, CSS, and JavaScript.
- Ensured cross-browser compatibility and optimized performance.

### MONTESSORI SCHOOL WEBSITE

- Built an engaging and informative website for Montessori school.
- Created interactive elements and dynamic content using React.
- Focused on user experience and accessibility for parents and potential students.

### CLIMATE INFORMATION SERVICE WEBSITE

- Developed a comprehensive website to provide climate data and resources for users.
- Integrated real-time climate data APIs to deliver accurate weather forecasts and environmental information.
- Enhanced user experience with interactive maps, graphs, and visualizations to present complex climate data.

## **RESTAURANT WEBSITE**

- Designed and developed a visually appealing website for a local restaurant.
- Included features such as a menu, online reservation system, and contact form.
- Used HTML, CSS, and JavaScript to create a seamless user experience.

## **GHANA METEOROLOGICAL AGENCY | METEOROLOGICAL TECHNICIAN**

Jan 2019 – Sep 2023

- Ideated detailed and meaningful statistical analyses by using data on precipitation, humidity, wind and sunshine parameters to derive evapotranspiration and solar radiation dataset.
- Achieved precise and reliable seasonal forecasts through meticulous data organization and analysis.
- Successfully manage the agency website, ensuring seamless functionality and user-friendly experience for visitors.
- Used advanced techniques to simulate crop models with DSSAT in CRAFT, leading to accurate yield production forecasts and detailed risk assessments.
- Used advanced computer systems and software tools to analyze weather data, resulting in highly accurate weather forecasts and sophisticated models.

## **SDA HOSPITAL KWADASO | IT TECHNICIAN (NSS) | SEP 2016 – AUG 2017**

- Successfully overseeing the management of computer systems and networks with a focus on optimal performance and functionality.
- Provided valuable assistance in the hospital management system software installations, effectively troubleshooting hardware or software issues, and promptly resolving technical challenges.
- Consistently conducted regular system maintenance to ensure the organization's computer systems and networks operate securely, efficiently, and with up-to-date technology

# SDA HOSPITAL KWADASO | IT SUPPORT OFFICER (INTERN) | JUN – AUG 2015

- Achieved swift and effective network troubleshooting and demonstrating expertise in CAT 5 cable termination for seamless connectivity and optimal network performance.
- Diligently maintained computers and accessories to ensure their optimal functionality and longevity.
- Proactively monitored system performance to identify and address any potential issues, ensuring smooth operations and minimizing disruptions

## EDUCATION

### MEST Africa

Web Development Coding Bootcamp, **2024**

Certificate in Frontend Development

### Kwame Nkrumah University of Science & Technology

BSc. Computer Science

## COURSES

- Udemy Certificate - Master Flutter REST API Development | **Nov 2024**
- HP LIFE online course on Effective Leadership | **June 2024**
- Web Development Fundamentals, IBM SkillBuild | **May 2024**
- Web Development Programme, MEST Africa & Generation Ghana **May 2024**
- 15 International Workshop on Climate Variability & Predictions, UCAR– NOAA | **Sep 2023**
- Linux & Python Training, Ghana Space Science and Technological Institute | **Sep 2022**
- Training Workshop on CCAFS Regional Agriculture Forecasting Tool, ICRISAT | **Oct 2021**
- Basic Meteorological Training Course, Ghana Meteorological Agency | **Jan 2019**

## PUBLICATIONS

- Crop Model Based Spatial Yield Forecasting using CRAFT: Case study for Ghana
- Development of High-Resolution Cloud Cover Climatology Databank Using Merged Manual and Satellite Datasets over Ghana, West Africa