# ALIYU SULAIMAN SALIHU

## Mechatronics Engineer

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📍 **Farawa kwanar yashi, Nasarawa LGA kano state, Nigeria**

## SUMMARY

I am Aliyu Sulaiman Salihu, a Mechatronics Engineering graduate with a strong foundation in robotics and automation. I have hands-on experience as an IT personnel and computer instructor, having successfully streamlined administrative processes and developed impactful programs. My passion for technology and teaching drives me to continuously seek innovative solutions, such as energy-saving measures during my internship at Bayero University Kano.

## EXPERIENCE

### IT Personnel, Computer Instructor

**British Royal Academy**

📅 01/2023 - 07/2023  📍 Yola, Adamawa State, Nigeria

An educational institution focusing on personal and academic development.

- Taught classes and managed entire students' record coupled with other administrative tasks.
- Simplified the manual student results calculation process to a computer-based system, saving over NGN120,000 per semester on paperwork.
- Developed social clubs & programmes to instill soft skills, reducing stage fright in young learners by over 80%.
- Increased the institution's visibility online through social media platforms.

### Intern

**Bayero University Kano**

📅 10/2018 - 01/2020  📍 Kano, Nigeria

University of Kano, involved in educational and practical training.

- Worked under the supervision of the Head of Maintenance Electrical Department, focusing on electrical installations.
- Proposed an effective energy-saving solution reducing energy consumption from 50,000KW to 32,000KW.

### Apprentice, Part-time

**Liberty Electrical Works and Contractor**

📅 03/2015 - 01/2018  📍 Kogi State, Nigeria

A contracting firm specializing in electrical solutions.

- Performed electrical installations and maintenance.
- Familiarized with electrical installations and maintenance for home and industries.

## EDUCATION

### Bachelor of Engineering

**Bayero University Kano**

📅 11/2015 - 09/2021  📍 Kano state, Nigeria

### Science Major

**Government Secondary School, Goniri**

📅 05/2011 - 08/2013  📍 Yobe state, Nigeria

## STRENGTHS

⭐ **Interpersonal Skills**

Strong interpersonal and critical thinking skills.

⚡ **Technical Proficiency**

Proficient in handling applications and software tools.

## KEY ACHIEVEMENTS

🚩 **Nigerian Communication Commission (NCC) Tech Hack-athon**

Won 1st place in 2021 Tech Hack-athon showcasing an innovative Waste-to-Wealth solution.

⭐ **YSSB Maiden Essay Competition**

Published essay on sustainable education framework in northeast Nigeria.

🏆 **Annual Arduino Competition**

Achieved 2nd position in the 1st Annual Arduino Competition at Bayero University.

## SKILLS

| 3d Printing | Arduino | CAD/CAM |
| --- | --- | --- |
| canva | CDS | CorelDRAW | EDA |
| EXCEL | figma | LabVIEW |
| Matlab | PLC | powerpoint |
| Proteus | Python | Robotics |
| simulink | Swift |

## PASSIONS

🪄 **Graphics Design Trainer**

Teaching relevant ICT skills to less privileged individuals.

🚩 **Blogger**

Exploring online journalism and its challenges.

## LANGUAGES

**English**
Native
●●●●●

**Hausa**
Proficient
●●●●○

**Ebira**
Advanced
●●●○○

## PROJECTS

### Automated Bottle Filling and Capping Machine

📅 09/2020 - 09/2021   📍 Kano, Nigeria

Undergraduate project focused on automation and engineering design.

- Designed and constructed an automated bottle filling and capping machine using a microcontroller.

## CERTIFICATION

### Nigeria Society of Engineers (NSE)

Professional membership with Nigeria Society of Engineers.

### National Youth Service Corps

National Certification from National Youth Service Corps.

### International Association of Engineers (IAEng)

Membership with International Association of Engineers.