

Bamidele Samuel

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CAREER OBJECTIVE

A highly skilled Electrical, Electronics, and Web Development professional with expertise in embedded systems, Electrical installation, solar installation and programming. Passionate about using technology to solve real-world problems, developing innovative solutions, and continuously improving technical skills.

EDUCATION

Igbajo Polytechnic, Osun State | 2018 – 2023

- Higher National Diploma in SLT (Physics Electronics Option) – September 2023
- National Diploma (ND) in Electrical/Electronic Engineering – August 2020

TECHNICAL SKILLS

Programming Languages: C++, Python

Web Development: HTML, CSS, JavaScript, Django

Embedded Systems & IoT Development

Electronics & Electrical Work:

- Electronics Repair
- Solar Installation
- Electrical Installation

KEY ACHIEVEMENTS

- Successfully **installed a meteorological station** at Physics with Electronics laboratory, Igbajo Polytechnic, enhancing environmental monitoring and data collection for academic and research purposes.

- Developed an **IoT gas monitoring system** powered by an 18650 battery with ATtiny85 and OLED display.
- Designed a **Dynamic school website** with automated student registration and unique admission number generation.
- Created a **Periscope distance measurement system** using ATtiny85, OLED, and ultrasonic sensors.
- Developed a **Heart rate monitoring system** with MAX30100, OLED, and Arduino Nano.
- Constructed **Biometric voting machine system** using fingerprint sensor.

WORK EXPERIENCE

Great Minds Comprehensive College, Ibadan, Oyo State (NYSC) | 2024 – Present

- **Coding & Robotics Trainer** – Designed and delivered interactive coding and robotics sessions, equipping students with essential problem-solving and critical thinking skills. Inspired a passion for STEM education through hands-on projects and real-world applications.

Igbajo Polytechnic, Osun State | 2021 – 2024

- **Laboratory Technician** – Managed and maintained laboratory equipment, assisted in conducting practical experiments, and provided technical support to students and faculty for an efficient learning environment.

MTN Connect Store, Ilesa, Osun State (Industrial Training) | 2020 – 2021

- **Maintenance & Repair Technician** – Diagnosed and repaired mobile devices and network equipment, provided technical support to customers, and ensured optimal service delivery.

Segsonic Dependable Solar Power, Ikirun, Osun State (SIWES) | 2018 – 2019

- **Repair Crew** – Assisted in the installation, troubleshooting, and maintenance of solar power systems, gaining hands-on experience in renewable energy solutions.

CERTIFICATIONS & TRAINING

- Full-Stack Web Development – Udemy (2023)
- Electronics Repair – Samon Electronics Nigeria Ent. (2016)
- Electrical Work – Unique international ventures (2009)

COMPUTER PROFICIENCY

- Microsoft Word
- PowerPoint
- CorelDRAW
- AutoCAD

EXTRA-CURRICULAR ACTIVITIES

- Reading
- Researching
- Playing Football

REFEREES

Engr. M.A Okandeji, MNSE

Deputy Rector, Igbajo Polytechnic, Osun State

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Engr. Fajumobi S.A

Head of Department, Electrical/Electronics, Igbajo Polytechnic, Osun State

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