

Temitope Ologunbaba O.

[+2348160255834](tel:+2348160255834) | ologunbabatope@gmail.com | [LinkedIn](#) | [Github](#)

EDUCATION

Federal University of Technology, Akure, Nigeria.

2015 – 2021

Bachelor of Engineering; Electrical/Electronics Engineering.

Class Rank: 4

Second Class Upper (4.11/5.00)

SKILLS AND CERTIFICATIONS

Certifications: Intermediate Machine Learning, IBM- Introduction to Artificial Intelligence, DataCamp- Intermediate Python.

Programming Languages: Python, Java, Flutter, JavaScript (NodeJS), Go, Firebase and Git, MySQL.

Softwares: Microsoft Office, MATLAB, PSpice, Autodesk AutoCAD Pro, TensorFlow, PyTorch and OpenCV.

Electrical Skills: Electrical Panel Design, Inverter System Design & Integration, Technical Proficiency in Inverter and Battery Systems, Compliance, Project Management, Software Development, Electrical Engineering design, Engineering Analysis and Modeling using MATLAB, Machine Learning using scikit-learn.

Interest: Power Systems, Machine Learning/AI, Communication and Networking, Software Systems, Computer Engineering.

RESEARCH EXPERIENCE

Effect of Weather Conditions on Free Space Optics, Review Paper (Ongoing)

2020 – 2021

- Simulated rain conditions to analyze the impact on Free Space Optics (FSO) transmission, measuring signal degradation using lab equipment like an oscilloscope.
- Reviewed and documented weather effects on FSO performance, providing insights into atmospheric interference.
- Utilized lab instruments for precise data collection, ensuring the accuracy of FSO signal loss during weather simulations.

Communications Laboratory - Student Researcher, FUTA

2020 – 2021

- Conducted experiments and simulations on communication systems, improving data transmission efficiency.
- Analyzed network protocols and signal processing techniques, leading to a deeper understanding of communication theory.
- Collaborated with research teams, contributing to the development of new communication models and technologies.

PROFESSIONAL EXPERIENCE

Greenpeg Engineering - Power System Engineer

November 2022 – Present

- Led the development of power distribution solutions, improving energy conversion efficiency by 25% across residential, commercial, and industrial sectors.
- Designed inverter systems through load analysis, achieving a 20% increase in energy balance between battery and grid systems, optimizing energy supply.
- Managed installation and commissioning of systems, ensuring 100% operational success from concept to implementation, reducing downtime and improving performance.
- Implemented maintenance protocols, extending product life by 15% and reducing system downtime by 20%, ensuring consistent peak performance.

Research/Development Engineer, Blumefy

September 2021 – May 2022

- Conduct user research to gather insights into user behaviors, needs, and pain points, then analyze to work with results.
- Designed, prototyped, developed and tested new features, increasing feature engagement by 15% and driving innovation for future releases.
- Optimized app performance and resolved technical issues, reducing app crashes by 30% and significantly improving app stability and user satisfaction.

System Engineer Intern, National Meteorological Agency

June 2019 – December 2019

- Maintained and Developed Desktop and System Solutions for Nigeria Meteorological Agency as a junior Intern.
- Weekly maintenance of airport runway instruments.
- Collection of weather data and working with meteorologists in analyzing data.

ACADEMIC AND PROFESSIONAL ACHIEVEMENTS

- Recipient, **Annual Agbami Scholarship Award**. **2017 – 2021**
- Recipient, **Engineers-In-Society Symposium Certificate**. **2017**
- 4x Dean's/Scholars' List, FUTA. **2016 - 2018, 2021**
- Top 5 Best graduating students in the Department of Electrical Engineering, FUTA. **2022**

LEADERSHIP AND VOLUNTEERING EXPERIENCE

- **Class Teacher**, Mariam Joseph Memorial Anglican Grammar School, National Youth Service Corp (NYSC). **2022**
- **Mentor**, Impact Leaders Club. **2022**
- **Undergraduate Tutor/Sound, Light, Projection and Power Technician**, CAC Campus fellowship, FUTA. **2015 - 2019**
- **Course Representative**, Department of Electrical/Electronics Engineering. **2016 - 2018**
- **Community Outreach**, Reading Awareness Society for Development in Africa **2014**