

Temitope Ologunbaba O.

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EDUCATION

Federal University of Technology, Akure, Nigeria.

2015 – 2021

Bachelor of Engineering; Electrical/Electronics Engineering

Second Class Upper (3.49/4.00)

SKILLS AND CERTIFICATIONS

Certifications: Intermediate Machine Learning, IBM- Introduction to Artificial Intelligence, DataCamp- Intermediate Python, Coursera- Deep Learning, Lagos Africa AI Bootcamp.

Programming Languages: Python(PyTorch, Numpy, Flask, Keras), Dart(Flutter), PLC Programming, Java(Spring, Mobile), JavaScript (NodeJS), Go, Firebase and Git, Docker, GCP, MongoDB, MySQL.

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

Electrical Skills: Electrical Panel Design, Deductive Mathematics and Algebra, Inverter System Design & Integration, Technical Proficiency in Inverter and Battery systems. Systems, Software Development, Engineering Analysis and Modeling using MATLAB, Machine Learning using scikit-learn.

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 - System Engineer

November 2022 – Present

- Designed and deployed learning algorithms for real-time data analysis on embedded IoT devices, reducing data transmission costs by 20%.
- Managed end-to-end commissioning of control systems, achieving a 100% success rate in project execution, and minimized downtime during installation phases by utilizing predictive diagnostics and robust testing protocols.
- Worked on installation, and maintenance of automation systems tailored to meet the specific needs of industrial clients.
- Implemented embedded systems for automation, enhancing response time by 25% with optimized sensor integration.

Research/Development Engineer(Remote), Blumefy

September 2021 – October 2022

- Conducted app research to gather insights into user behaviors, needs, and pain points, then analyze to work with the results.
- Designed, prototyped, developed and tested new features, increasing feature engagement by 15% and

driving innovation for future app releases.

- Optimized app performance and resolved technical issues from customer support, while reducing app crashes by 30% and significantly improving app stability and user satisfaction.

Class Teacher, Mariam Joseph Memorial Anglican Grammar School

March 2022 – Feb. 2023

- Designed engaging science lessons in advanced mathematics and physics, increasing student comprehension by 30% through hands-on experiments and interactive learning activities.
- Led classroom discussions and projects, fostering critical thinking and problem-solving skills, and boosting student participation by 40%.
- Conducted physics lab sessions and hands-on activities, enhancing student understanding through practical experiments, and increasing class performance through tailored assessments and guided support.

Software Engineer, Komodo(Part-time)

September 2019 – Present

- Specialized in designing, developing desktop and mobile applications using Java, Flutter and Dart, and developed over 30 applications both on play store and app store for the clients.
- Deployed the backend application to GCP server. I also managed the server, fixed server bugs, automated our processes and increased stability to up to 99% uptime.

System Engineer Intern, National Meteorological Agency

June 2019 – December 2019

- Maintained and Developed Desktop and System Solutions for the agency as a junior Intern.
- Weekly technical maintenance of airport runway electrical instruments on the field.
- Collection of weather data and working with meteorologists in analyzing data, and interpreting them.

ACADEMIC AND PROFESSIONAL ACHIEVEMENTS

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| • Recipient, Annual Agbami Scholarship Award. | 2017 - 2021 |
| • Recipient, Engineers-In-Society Symposium Certificate. | 2017 |
| • 4x Dean's/Scholars' List, FUTA. | 2016 - 2018, 2021 |
| • Top 3 Best graduating students in the Department of Electrical Engineering, FUTA. | 2022 |
| • Top 5, Read to Lead Africa Scholarship Initiative. | 2018 |
| • Recipient, National Merit Scholarship – Awarded for exceptional academic performance in undergraduate studies. | 2018 |
| • Winner, S.U. Writing, FUTA – Recognized for outstanding writing on social issues. | 2015 |
| • Member, IEEE (Institute of Electrical and Electronics Engineers, Nigeria Chapter) | |
| • Recipient, Impact Leaders Club Mentor Award – Recognized for exceptional mentorship and leadership in guiding students. | 2019 |
| • Honored Member, Future Engineers of Africa. | 2023 |
| • Selected Participant, Lagos Machine Learning Bootcamp. | 2024 |

LEADERSHIP AND VOLUNTEERING EXPERIENCE

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| • Class Teacher , Mariam Joseph Grammar School, National Youth Service Corp (NYSC). | 2022 |
| • Student Mentor , Impact Leaders Club. | 2022 |
| • Undergraduate Tutor/Sound, Light and Power Technician , CACCF, FUTA. | 2015 - 2019 |
| • Course Representative , Department of Electrical/Electronics Engineering. | 2016 - 2018 |
| • Community Outreach , Reading Awareness Society for Development in Africa(RASDA) | 2014 |
| • Participant , Reading Awareness Society for Development in Africa(RASDA) Volunteering | 2014 |