Olaoye Blessing Emmanuel

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EDUCATION AND TRAINING

Bachelor of Engineering, Agricultrural and Bioresources Engineering
Federal University of Technology, Minna Niger State, Nigeria [10/11/2019 – 4/10/2025]
Final grade: Second Class Upper Credit. Thesis: Development of an AI based Cold Storage System

INTERNSHIP IN RENEWABLE ENERGY
Minna(NG) AI4CE (2021)
Related Project Completed: Solar and Wind Energy Generation.

INTERNSHIP IN AI
Minna(NG) IIIRG(2022)
Related Projects Completed for Internship: Face/Human detection System and kidney stone detection software

INTERNSHIP IN EMBEDDED SYSTEM DESIGN
Minna(NG) IIIRG(2019 - 2020)
Related Projects completed for Internship: Design of 3KVA Inverter,Home Automation,Visitor counter,Door Lock system,Intelligent Wireless Charger,Alcohol detection Car Ignition control.

HONORS AND AWARDS

GROOMING AWARD 2023
Project: Development of IoT Based Patient Monitoring System For Rural Area [12th of October 2023]

SECOND PLACE WINNER
8th CODET ENGINEERING GRADUATE COMPETITION 2025 (SINGLE CATEGORY)
Project: Smart Hybrid Incubator [12th of July 2025]

DIRECTOR OF PROJECT
FEDERAL UNIVERSITY OF TECHNOLOGY MINNA,AGRIC. AND BIORESOURCES ENG. [12/03/2025]

WORK EXPERIENCE

Electronics/Software Engineer
Arone Energy [29/04/2024 – 30/8/2024] Location: Nsukka, Nigeria
- Develop PCB for new Device
- Develop C++ code for Device
- Work with interfaces, IP protocols, and hardware subsystems
- Collaborating with other staffs for development on existing and new device

Research Assistant/ Hardware Engineer
Advanced Engineering Innovation Research Group [15/08/2022 – Current] Location**:** Minna, Nigeria
- Research and Develop Prototype on new Innovations
- Documentation and Presentation of Research
- Work with interfaces, IP protocols, and hardware subsystems
- Working in a team to develop a robot for an efficient pipeline monitoring system with machine vision and deep learning algorithm and IoT-based mobile application to detect leakage, cracks, dents, and their location in the pipeline to reduce revenue loss and environmental degradation.

Embedded System and IoT Developer
Smart Agro Robotics [1/9/2024 – Current] Location: Minna, Nigeria
- Develop C++ code for Device
- Work with interfaces, IP protocols, and hardware subsystems
- Collaborating with other staffs for development on existing and new device

Software Engineer
Gritty Tech [08/01/2025 – 7/05/2025] Location: Hyderabad, India
- Develop C++,Verilog script for Embedded system device

CONFERENCES AND SEMINARS

Artificial Intelligence For Female in STEM [Summit University, 1/11/2022 – 8/11/2022]
1nd Workshop on Artificial Intelligence and Clean Energy [Federal University of Technology,Minna 24/07/2021 –26/07/2021]
Industry 4.0: Artificial Intelligence and Mechatronics Engineering [Federal University of Technology, Minna]
NACEEROB [Federal University of Technology Minna 12/10/2022 - 15/10/2022]

CERTIFICATE OF INTERNSHIP IN RENEWABLE ENERGY

CERTIFICATE OF INTERNSHIP, RENEWABLE ENERGY [11/09/2021 – 15/11/2021]

CERTIFICATE OF INTERNSHIP IN AI

CERTIFICATE OF PARTICIPATION, ARTIFICIAL INTELLIGENCE USING MATLAB [03/11/2022 – 13/06/2023]
CERTIFICATE OF PARTICIPATION, MACHINE LEARNING USING MATLAB [30/3/2023 – 17/04/2023]
CERTIFICATE OF PARTICIPATION, ARTIFICIAL INTELLIGENCE USING PYTHON [03/04/2021 – 03/05/2021]

CERTIFICATE EARNED IN EMBEDDED SYSTEM DESIGN AND IoT WITH INTERNSHIP DATES

CERTIFICATE OF INTERNSHIP, EMBEDDED C++ PROGRAMMING [15/05/2019 – 15/12/2020]
CERTIFICATE OF INTERNSHIP, EMBEDDED SYSTEM DESIGN AND IOT [12/04/2021 – 28/06/2021]
CERTIFICATE OF INTERNSHIP, EMBEDDED SYSTEM DESIGN WITH ARDUINO [01/08/2020 – 16/12/2020]

MANAGEMENT AND LEADERSHIP SKILLS

Team Lead, IIRG ,Ideal Intelligent Innovative Research Group

NETWORK AND MEMBERSHIPS

Professional Membership,International Association of Engineer [27/09/2024]

VOLUNTEERING

● 2 months tutorial for new intake students at Federal university of Technology Minna, Niger State
● 2 days tutorial for 200 level engineering students on Applied mechanics, Basic Electrical engineering at Federal university of Technology Minna, Niger State, Nigeria.
● 2 weeks training for engineering students on Analog Electronics at Federal university of Technology Minna, Niger State, Nigeria.
● 3 days training for secondary school students on hardware programming.
● Introduction to Embedded system for Engineering students at Federal University of Technology Minna
● 6 days online workshop at Ideal Intelligent Innovation Research Group.
● 4 weeks training for All level in Mechatronics Engineering FUTMINNA
● 2 days python and Django training for girls in Minna

DIGITAL SKILLS

Thonny IDE/ Raspbian OS/ Python Programming / MATLAB /C and
C++ / Arduino/ VB Programming

LANGUAGE SKILLS

Mother tongue(s): Yoruba   Other Language(s): English

English: LISTENING B2 **READING** B2 **WRITING** B3 **SPOKEN PRODUCTION** B2 **SPOKEN INTERACTION** B2