# ISRAEL OLUWASEGUN KOLAWOLE

**E-mail:** kolawole.israel@lmu.edu.ng, **kolawoleisrael2500@gmail.com LinkedIn profile :** *my-linkedln*
**GitHub profile :** *my-github*

## EDUCATION

**Landmark University, Omu-Aran, Kwara, Nigeria**                                     2020-2025
Bachelor of Engineering (B.Ng) in Mechatronics  Engineering
Cumulative GPA: Second Class (Hons) Upper

## Experience

**Team Lead**                                                                September 2025 – present
**technical team**
Greenhood Co

- Lead a cross-functional engineering team in the end-to-end development of scalable web and mobile applications, ensuring alignment with project timelines and quality standards.
- Oversee comprehensive site hosting and maintenance, ensuring high availability, performance monitoring, and server-side stability.
- Supervise team members in executing full-stack development tasks, fostering a collaborative environment for rapid issue resolution and skill growth.
- Diagnose and resolve complex technical issues across the stack, implementing long-term fixes to prevent recurring system vulnerabilities

**Chief Technology Officer**                                                      July 2025 – present
ORBIEON

- Leading full-stack development initiatives and technology strategy for the educational platform.
- Architecting scalable web applications and overseeing software development lifecycle.

**Academic Director**                                                  November 2024 – July 2025
Mechatronics Engineering, Mechanical & Mechatronics Student Association,
Landmark University
- Spearheaded academic programming and curriculum-support events (workshops, classes) to strengthen practical skills for cohort members.
- Architected and implemented inventory and order-processing modules for an online store management system to streamline workflows and reduce manual reconciliation.
- Mentored and supervised student project teams, providing technical guidance, review cycles, and milestone checkpoints.

**Electronic and Signals Intern**                                   March 2024 – September 2024
Intelbox Solutions Limited. Abuja, Nigeria.
- Spearheaded prototyping of remote-controlled robotics platforms, improving prototype reliability and shortening iteration cycles through structured test plans and automated bench tests.
- Architected and implemented inventory and order-processing modules for an online store management system to streamline workflows and reduce manual reconciliation.

- Developed frontend and backend features for a trivia web application (question management, scoring logic, responsive UI), accelerating feature delivery and improving user experience.
- Prepared and cleaned large datasets to support ML prototyping, enabling faster model training and more reliable evaluation.
- Authored project documentation and daily progress reports, and standardized templates to improve team handovers and onboarding.

## Projects

**Landmark University, Team of 6, final year thesis**                    November 2024 – June 2025
**Project 1. Development of an Automatic 4kg payload Drone Delivery System**
- Architected a Django-based Delivery system integrating Pixhawk flight controller and telemetry for real-time mission control.
-  Built separate User and Drone apps: booking UI with named GPS/hostel selection and an operator control/telemetry dashboard.
- Integrated USB telemetry with RPM/ARPM mission planners for local mission uploads and live telemetry (no cloud dependency).
- Added mission safety controls: mid-mission cancel/abort and GPS-authenticated payload lock/unlock.

## Technical & Soft Skills

**Programming and Software:** Python, Django, C++, JavaScript (Next.js/React). SQL, MATLAB (basic), Pandas, Jupyter, Proteus.
**Embedded and Robotics:** Arduino, Raspberry Pi, ESP boards, Pixhawk (PX4), PCB design(basic)
**Telemetry and Comms:** USB telemetry, RF transmitters, Bluetooth module.
**AI and ML:** Supervised and Unsupervised learning, Reinforcement learning(basics), Neural Networks(basics).
**Tools and Dev:** Git, Docker (basic), Mission planner, QGround control, Clion (C++ projects), unit testing, VSCode
**Hardware and Electronics:** basic PCB prototyping, soldering, debugging, ADCs, motors, ESCs, and motor drivers.
**Soft Skills:** Agility, Problem-Solving, Resilience, Eye for Details, Technical Communication, and Adaptability.

## Certifications and Training
- AI Augmented Professional Development Skills in the Digital Age – ALX AICE (8-week programme).
- 10-week Data Analytics Bootcamp — Everything Analytics.
- OpenCV live! Webinar attendance (topics included deepfake detection and CV best practices).
- Machine Learning and Electronics Programme — Intelbox Solutions Ltd.
- Machine Learning A-Z: AI, Python & R + ChatGPT Prize [2024] — Udemy.
- More available upon request

## Volunteer Experience
**Student Instructor**
  -Landmark University Crafthub                                October 2023 - February 2025
  -Landmark University Mechanical and Mechatronics Student Association (LUMESA)       March 2025, November 2023