

Mubarak Erinfofolami

Ogbomosho, Oyo state

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PROFILE

An innovative engineering student and British Council (Innovation for African Universities) Ambassador with a proven track record of collaboration, problem-solving, and teamwork in fast-paced environments. Recognized as First Runner-Up at the 2025 Africa Energy Innovation Challenge for delivering an exceptional solution to address vandalism and transformer breakdowns. Adept at thinking creatively to develop practical, technology-driven solutions and committed to continuous learning. Skilled in embedded systems, IoT development, and technical research, with a strong passion for using engineering to solve real-world challenges and drive sustainable innovation.

EDUCATION

Bachelor of Technology in Electronic and Electrical Engineering

2022 - Present

Ladoke Akintola University of Technology · Ogbomosho, Oyo state

CGPA – 4.04/5.0 (Second Class Upper)

AWARDS AND ACHIEVEMENT

Africa Energy Innovation Challenge – First Runner Up

20th of November, 2025

(Nigeria Energy Forum, NEF)

- Led a multidisciplinary team to develop Grid-Guard, an intelligent system for transformer fault detection, overload prevention, and anti-theft protection.
- Competed against 400+ outstanding teams from 40 different countries, emerged as the first runner-up and won a total cash-prize of #1.4million.

Oyo state Employability Summit Innovation Competition - Winner

19th of November, 2025

(Oyo State International Conference)

- Recognized as a top-performing participant for demonstrating exceptional innovation, leadership, and problem-solving skills during the employability and innovation challenge.
- Won a total cash-prize of #2.5million

International Conference and Exhibition on Power and Telecommunication – First Runner Up

14th of October, 2025

(Nigerian Institute of Electrical and Electronics Engineering, NIEEE)

- Developed AquaVise, a smart aquaculture and wastewater management system designed to improve fish yield, reduce losses, and enhance sustainability for local fish farmers.
- Presented the project to industry experts and emerged as the first runner-up.

Hult Prize – On-campus Winner

24th of February, 2025

(Hult Prize Global Start-up Innovation Challenge)

- Collaborated with a cross-disciplinary team to design a technology-driven solution addressing indoor air pollution, focusing on community health impact and sustainability.

Award for best Innovator in Engineering- TYF Conference

14th of June, 2025

(Think Yoruba First International Conference)

- Designed a solar-powered shrimp dryer to empower local women in coastal communities, reduce post-harvest losses, and promote clean energy solutions.
- Won a total cash-prize of #500,000.

Climate Action Day Conference – Winner

(Green Advocate Champions Club)

23rd of May, 2025

- Developed an innovative climate-focused solution that promotes environmental sustainability while generating new job opportunities for youth and local communities.

LEADERSHIP AND VOLUNTEERING

British Council (IAU) Ambassador

August, 2025 - Present

- Collaborated with diverse disciplines and universities within and outside Nigeria to promote innovation, entrepreneurship, and research-driven projects among students.
- Facilitated networking sessions and supported students in developing project ideas aligned with global development goals.

Head of Media and Publicity – Sexual & Reproductive Health Summit (2025)

February, 2025

- Led media campaigns, publicity strategies, and digital engagement for a youth-led reproductive health summit.
- Increased event visibility by driving online participation and boosting outreach engagement, contributing to a significant rise in student attendance and awareness.

Organizing Secretary – Green Advocate Club (2025)

September, 2025 - Present

- Coordinated events and sustainability campaigns encouraging students to embrace eco-friendly habits, reduce waste, and participate in climate awareness initiatives.
- Played a key role in mobilizing students for campus-wide environmental activities.

Programme Coordinator – The Still Water Initiative (2025)

October, 2025 - Present

- Collaborated with medical students to create a gender-inclusive and culturally diverse program promoting mental health awareness, emotional support, and well-being for young people across different communities.

TECHNICAL SKILLS

- Programming (C++, Python)
- Embedded Systems and IoT (Arduino, Esp32, Raspberry Pi)
- CAD Design (AutoCad, KiCad, AutoDesk Fusion)
- Microsoft Office Suite (Excel, Word, PowerPoint)

SOFT SKILLS

- Time management
- Design Thinking
- Emotional Intelligence
- Collaboration and Teamwork

PROFESSIONAL MEMBERSHIPS & AFFILIATIONS

- Society of Petroleum Engineers (SPE) – Student Member (5892959)
- Institute of Electrical and Electronics Engineers (IEEE) – Student Member (101139934)
- RAIN (Robotics and Artificial Intelligence Nigeria) INN – Member
- Drug Free Club – Member