

IBUKUNOLUWA OLUWAFEMI

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PROFESSIONAL PROFILE

Motivated Mechanical Engineering student (B.Eng) with a strong foundation in industrial fabrication and emerging skills in Python automation. Proven ability to bridge the gap between hardware mechanics and software logic. Seeking internships to utilize skills in CAD, welding, and system design.

EDUCATION

Redeemer's University Ede, Osun State
Bachelor of Engineering (B.Eng), Mechanical Engineering Oct 2023 – Present

- **CGPA:** 4.37 / 5.00
- **Relevant Coursework:** Engineering Thermodynamics, Strength of Materials, Engineering Materials, Student Workshop Practice, Engineering Mathematics, Introduction to Python Programming.

Yaba College of Technology Secondary School Lagos
West African Senior School Certificate (WAEC) Sep 2016 – July 2022

- **Distinctions:** Further Mathematics, Geography, and Technical Drawing.

TECHNICAL SKILLS

- **Engineering:** Shielded Metal Arc Welding (SMAW), Metal Fabrication, AutoCAD (2D/3D), Fluid Mechanics.
- **Software:** Python (Intermediate - Automation/NumPy), HTML/CSS, Git/GitHub.
- **Practical:** Machine Assembly, Precision Woodwork (Dovetail Joints), Ethernet Cabling.
- **Soft Skills:** Public Speaking, Leadership, Negotiation, Team Management.

ENGINEERING PROJECTS

Maize Sheller Machine (SWEP) *Lead Fabricator*

- Led the chassis fabrication team during the Student Work Experience Program.
- Welded mild steel angle irons to form the structural base and aligned the drive system for a 2HP motor.
- Delivered a functional prototype capable of shelling maize at 50kg/hr.

Wind Tunnel Apparatus *Fluid Mechanics Project*

- Designed and constructed a wind tunnel for aerodynamic testing and flow analysis.
- Calculated the contraction cone ratio to ensure smooth airflow and assembled the transparent test section.

Beam Deflection Automator *Python Engineering Tool*

- Developed a Python script to automate the Double Integration Method for structural analysis.
- Reduces calculation time for laboratory reports by over 90% and minimizes human error.

EXPERIENCE

Cowrywise *Campus Ambassador*
Remote/Campus Dec 2025 – Present

- Leading financial literacy campaigns and organized "Club60" masterclasses, increasing student registrations by 15%.

RUNSA Legislative Council
Redeemer's University

Chief Whip
Oct 2025 – Present

- Enforcing parliamentary procedures and maintaining order during high-stakes student government sessions.

Society of Petroleum Engineers (SPE)
Redeemer's University Chapter

Student Member
2024 – Present

- Active participant in technical sessions regarding energy resources and engineering ethics.

Family Business
Lagos

Sales Representative
2022 – 2024

- Managed customer relations and inventory in a fast-paced retail environment.

CERTIFICATIONS

Fundamentals of Programming
Programming Hero

Issued 2020

- Covered Data Structures (Lists, Arrays), Loops, Conditionals, and Algorithms.