

IBUKUNOLUWA OLUWAFEMI

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PROFILE

Aspiring Mechatronics Engineer with expertise in industrial fabrication, Python automation, and CAD design. Proven ability to bridge the gap between hardware mechanics and software logic.

TECHNICAL SKILLS

- **Engineering:** Shielded Metal Arc Welding (SMAW), AutoCAD (2D/3D), Fluid Mechanics.
- **Programming:** Python (NumPy/Pandas for Engineering), HTML/CSS, Git.
- **Fabrication:** Machine Assembly, Woodwork (Dovetail Joints), Ethernet Cabling.

PROJECTS

Maize Sheller Machine (SWEP)	<i>Lead Fabricator</i>
Designed and welded chassis. Aligned drive system for 2HP motor. Delivered functional prototype.	
Wind Tunnel Apparatus	<i>Fluid Mechanics</i>
Calculated contraction cone ratio. Assembled transparent test section for flow analysis.	
Beam Deflection Automator	<i>Python Script</i>
Automated structural analysis calculations using Double Integration Method.	

EXPERIENCE

Cowrywise	<i>Campus Ambassador</i>
Led financial literacy campaigns; increased student engagement by 15%.	
RUNSA Legislative Council	<i>Chief Whip</i>
Enforced parliamentary procedures and mediated disputes in Student Government.	
Society of Petroleum Engineers (SPE)	<i>Student Member</i>
Active participant in energy resource technical sessions.	

EDUCATION

Redeemer's University	2023 – Present
B.Eng. Mechanical Engineering (CGPA 4.6/5.0 In View).	
Yaba College of Technology Secondary School	2016 – 2022
WAEC Distinctions in Geography, Further Mathematics & Technical Drawing.	

CERTIFICATIONS

Programming Hero: Fundamentals of Programming (2024).