

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)

Lead Fabricator

Designed and welded chassis. Aligned drive system for 2HP motor. Delivered functional prototype.

Wind Tunnel Apparatus

Fluid Mechanics

Calculated contraction cone ratio. Assembled transparent test section for flow analysis.

Beam Deflection Automator

Python Script

Automated structural analysis calculations using Double Integration Method.

EXPERIENCE

Cowrywise

Campus Ambassador

Led financial literacy campaigns; increased student engagement by 15%.

RUNSA Legislative Council

Chief Whip

Enforced parliamentary procedures and mediated disputes in Student Government.

Society of Petroleum Engineers (SPE)

Student Member

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).