

CHARIS ADEOLUWA OYERINDE

P: +234 707 386 5582 | charisoyerinde@yahoo.com | [linkedin.com/in/charis-oyerinde-1516521a9](https://www.linkedin.com/in/charis-oyerinde-1516521a9)

EDUCATION

NILE UNIVERSITY OF NIGERIA

Bachelor of Engineering, Mechatronics Engineering

Cumulative GPA: 4.87/5.00

Relevant Coursework: Control Engineering, Programming, Vibrations, Dynamics, Robotics

Abuja, Nigeria

Expected June, 2027

PROJECTS

Arduino-Based Automated Control System

- Designed and implemented a microcontroller-based system using Arduino to read sensor inputs and control outputs based on programmed logic.
- Performed hardware wiring, soldering and system debugging.

3d Mechanical Design and Assembly (Autodesk Fusion 360)

- Created 3D CAD models and assemblies of mechanical components.
- Applied design constraints, dimensions and tolerances suitable for manufacturing.
- Designed and modeled a mini internal cycloidal actuator, including internal geometry and assembly, using Autodesk Fusion 360.

Control System Modeling (MATLAB & Simulink)

- Performed numerical computations and data visualization using MATLAB.
- Built and simulated control system models in Simulink for Control Engineering coursework.
- Analysed system behaviour and responses to reinforce control theory concepts.

Programming for Engineering Applications (C++/Python)

- Developed programs to solve engineering and mathematical problems
- Implemented basic machine learning algorithms from scratch, translating mathematical formulations into executable code.

TECHNICAL SKILLS

CAD & Mechanical Design

- Autodesk Fusion 360

Programming & Software

- MATLAB
- Simulink
- Python
- C++

Embedded Systems & Electronics

- Arduino
- Soldering and wiring
- Basic circuit assembly and troubleshooting

ADDITIONAL

Certifications & Training: Mathematics for Machine Learning and Data science Advanced Learning Algorithms (Coursera, [DeepLearning.AI](#)), Machine learning A-Z, Python Programming (Udemy)

Languages: English

Career Interests: Automation Systems, Robotics, Control Engineering, Embedded and mechatronics systems