

# JESUTOSIN ARANSIOLA

Software & Hardware Engineer — Maker of Cool Things

## JESUTOSIN

Maker of Cool Things

### CONTACT

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portfolio.example.com

### SKILLS & TOOLS

- Python, JavaScript (ES6+), TypeScript, C/C++
- React, Next.js, Node.js, Express
- HTML5, CSS3, Tailwind, Bootstrap
- Arduino, Raspberry Pi, MQTT
- TensorFlow, scikit-learn, OpenCV
- Figma, Adobe PS/AI, Blender
- Git, Docker, REST APIs

### AVAILABLE FOR

Freelance projects, final-year projects, prototypes  
Web • Mobile • Embedded  
• AI • 3D • Product Design

### PROFILE

Engineer, builder, and occasional mad scientist. I build software, hardware, and the duct-taped bridges between them. From AI-driven apps and web tools to robots that actually move (most of the time), I make useful, playful, and reliable tech for clients. Available for freelance projects and prototype development.

### PROJECTS

#### Automatic Chess Board

- Designed and built a fully automated chessboard using Arduino, dual stepper motors for X/Y control, and an electromagnet-driven piece mover.
- Implemented a precision four-axis sliding mechanism inspired by 3D printers for reliable piece placement.

#### AI Teacher Recommendation System (Jan 2025–Mar 2025)

- Developed a Python-based recommendation tool using scikit-learn's RandomForestClassifier to match students with teachers.
- Processed datasets and improved recommendation relevance for better user experience.

#### Smart Room Automation

- Built a voice-controlled room automation system for lights and appliances using Raspberry Pi and MQTT.
- Designed an automatic toilet flusher using motion sensors and a servo for hands-free operation.

#### Selected Personal & Prototype Projects

- Robotic Arm for Object Sorting — Vision-guided sorting using OpenCV, Raspberry Pi, and servo control (prototype).
- Smart Home Mobile App — Cross-platform controller for IoT devices with scheduling and voice integration (prototype).
- 3D Product Visualizer — Web 3D previews using Three.js for interactive product demos (prototype).
- Brand & Graphic Design — Flyers, logos, and UI mockups created with Figma and Adobe tools.

### EDUCATION

Babcock University, Nigeria — BSc Computer Science (Technology)  
Relevant: Embedded Systems, Software Development, Data Structures

