

# Curriculum Vitae

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## Personal Information

Name: Tolulope Arewa

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Location: Nigeria

## Career Objective

Motivated and detail-oriented individual with experience in web development, embedded systems, and battery management systems. Looking to apply technical knowledge and problem-solving skills in a challenging engineering or IT role.

## Education

B.Sc. in Computer Science and Electronics Engineering – Obafemi Awolowo University, Ile-Ife, Osun state, Nigeria.

## Skills

- Web Development: React, Tailwind CSS, JavaScript, HTML, CSS, Bootstrap
- Programming: C, C++, Python
- Embedded Systems: Arduino, MATLAB Simscape, Tinkercad Simulations
- Cybersecurity: Cisco Cybersecurity Beginner Certificate
- Tools: Git, Visual studio, Simulink

## Projects

1. Electric Vehicle Battery Management System (BMS)
  - Designed and documented BMS functional requirements, researched components, and simulated models using MATLAB Simscape.
2. Autonomous Robot
  - Selected components and designed a load-carrying robot prototype.
3. Web Applications
  - Developed multiple frontend projects using React and Tailwind CSS, including an eCommerce app and cafeteria app with customer-chef interface.

#### 4. Embedded Systems Projects

- Implemented Arduino-based LED traffic light system, temperature and light sensor simulations, and analog electronics projects.
- Implemented a smart door lock that uses keypad.
- Implement a simulation if baby incubator using tools like Tinker card, Blender.

### **Certifications**

Cisco Cybersecurity Beginner Certificate – Cisco Networking Academy