

# Ugwu Emmanuel

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## WEB DEVELOPER | RESEARCHER

I am a web developer skilled in **HTML**, **CSS**, and some **JavaScript**, with freelance project experience. Currently, I'm learning **PHP**, **MySQL**, and **Django** to build dynamic applications and integrate **deep learning** models, having worked with **CNNs**, **RNNs**, and **Transformers** using **Python**. I also have experience with **Arduino** for IoT and robotics, and am exploring **Raspberry Pi** for more advanced automation projects.

## TECHNICAL SKILLS

<b>Languages</b>	: HTML, CSS, JavaScript, PHP, Python, C
<b>Frameworks</b>	: Django
<b>Databases</b>	: MySQL
<b>Dev Tools</b>	: Visual Studio Code, Git

## EXPERIENCE

<b>Web Developer</b> <i>Freelance</i>	Apr 2022 – Present <i>Remote</i>
<ul style="list-style-type: none"><li>Developed user-friendly and responsive websites using <b>HTML</b>, <b>CSS</b>, and <b>JavaScript</b></li><li>Currently learning <b>PHP</b> and <b>MySQL</b> to build more dynamic web applications</li><li>Focused on clean design and functionality for improved user experience</li></ul>	
<b>Deep Learning Projects</b> <i>Self-Directed</i>	Sept 2023 – Present <i>Remote</i>
<ul style="list-style-type: none"><li>Worked on several projects involving <b>CNNs</b>, <b>RNNs</b>, and <b>Transformers</b> using <b>Python</b></li><li>Gaining proficiency in <b>Django</b> to integrate machine learning models into web applications</li><li>Continuously improving skills in model training and deployment</li></ul>	
<b>IoT and Robotics Projects</b> <i>Self-Directed</i>	Mar 2021 – Present <i>Remote</i>
<ul style="list-style-type: none"><li>Built various <b>Arduino</b> projects focusing on sensor integration and automation</li><li>Expanding skills to include <b>Raspberry Pi</b> and other <b>microcontrollers</b> for complex <b>IoT</b> and <b>robotics</b> projects</li><li>Excited about the integration of smart devices and automation technologies</li></ul>	

## EDUCATION

<b>University of Science and Technology of China</b> <i>Masters of Science (MSc) in Computer Technology</i>	Hefei, Anhui, China Sept 2023 – Present GPA: 3.55/4.00
<b>Jiangxi University of Engineering</b> <i>Bachelor of Science in Engineering (BSc Eng) in Electronic and Information Engineering</i>	Jiangxi, China Sept 2019 – May 2023 GPA: 4.00/4.00

## PROJECTS

<b>Ongoing Portfolio Website</b>	<i>HTML, CSS, JavaScript, Git</i>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Creating a personal portfolio website to showcase my skills and projects with a modern, interactive design.</li></ul>		
<b>Arduino IoT Smart-Home System for Temperature Stability and Fire Protection</b>	<i>Arduino, IoT, C, Git</i>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Developed an IoT smart home system for monitoring temperature and fire safety using sensors with real-time data transmission.</li></ul>		
<b>Enhancing Face Detection and Recognition for a Classroom Attendance System</b>	<i>Python, OpenCV, Git</i>	<a href="#">Source Code</a>
<ul style="list-style-type: none"><li>Implemented a face detection and recognition system for classroom attendance, improving accuracy across different lighting conditions.</li></ul>		