

# EMMANUEL UGOCHUKWU UGWU

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## OBJECTIVE

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I am a motivated and enthusiastic Master's student in Computer Science and Technology at USTC, with a strong passion for computer vision, cloud computing, DevOps, cybersecurity, and IoT. I am currently seeking an internship position while undergoing extensive training in AWS, Azure, and GCP. I am eager to apply my knowledge and develop hands-on expertise in a technical role.

## EDUCATION

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**Master of Computer Science**, University of Science and Technology of China **2023 - Present**

Relevant Coursework: Edge and Cloud Computing, Deep Learning, Parallel and Distributed Computing.

**GPA:** 3.71/4.0

**Bachelor of Science in Engineering**, Jiangxi University of Engineering **2019 - 2023**

Relevant Coursework: Sensor Technology, Microcontroller Principles and Applications, Circuit Analysis, Analog Circuits, High-Frequency Circuits.

**GPA:** 4.0/4.0

## SKILLS AND TOOLS

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**Cloud Computing:** AWS (IAM, EC2, CloudWatch, AMI, Security Groups, Networking), Basic Azure and GCP knowledge.

**Networking:** Basic understanding of DNS, TCP/IP, OSI Model, Security Groups, Firewalls, Subnetting, DHCP.

**Programming:** Python, C, HTML, CSS, JavaScript (Basic understanding).

**DevOps Tools:** Git, Docker (Basic experience with containerizing ML models).

**IoT & Embedded Systems:** Arduino, Raspberry Pi.

**Machine Learning**

**AI:** Deep Learning (Computer Vision, CNN, YOLO, UNET, Hyperparameter Tuning), Fuzzy Logic (MATLAB).

## EXPERIENCE AND PROJECTS

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**Cloud Security and DevOps Training** **Feb 2025 - Present**

*Hands-on Training in AWS, Azure, and GCP*

- Gained practical experience in AWS IAM, EC2, CloudWatch, and AMI for OS hardening.
- Deployed and managed virtual machines (EC2 instances) and configured security groups.
- Developed technical expertise in TCP/IP, firewalls, DNS, and networking security.
- Containerized a UNET-based segmentation model using Docker.

**Academic and Personal Projects** **2023 - Present**

*University of Science and Technology of China (USTC)*

- Developed an **Arduino IoT Smart-Home System** for temperature stability and fire protection using sensors and actuators.
- Built a **Facial Recognition Attendance System** leveraging computer vision and automation.
- Implemented **Fuzzy Logic-Based Control Systems** in MATLAB for temperature regulation and fire suppression.
- Created a **Web Development Portfolio** showcasing projects and UI/UX principles ([Portfolio](#)).

## EXTRA-CURRICULAR ACTIVITIES

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- Regularly write technical articles on [LinkedIn](#), [Medium](#), and [Notion](#).
- Enjoy soccer as a recreational activity and engage in teamwork-building exercises.
- Maintain physical fitness by regularly visiting the gym.

## SOFT SKILLS

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- Strong problem-solving abilities and a proactive approach to learning.
- Effective teamwork and communication skills, with a keen interest in technology and innovation.

## LANGUAGES

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- English (Fluent)
- Chinese (Intermediate - HSK 4)