

# MOHAMED EMAD ELMAZAH

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## CAREER OBJECTIVE:

Motivated Computer Engineering student specializing in Cybersecurity and AI, with hands-on experience in secure systems, embedded IoT, and machine learning. Seeking opportunities to apply ethical hacking and intelligent automation in real-world solutions across tech, sustainability, and security domains.

## EDUCATION:

Galala University	(2022 – Present)
<ul style="list-style-type: none"><li>Bachelor of Science in Computer Engineering</li><li>Major: Cybersecurity</li><li>Expected Graduation: 2027</li></ul>	

## EXPERIENCE:

Gate Operations & Crowd Management – CTRL	(2024 – Present)
Crowd management, event coordination, communication under pressure, problem-solving, and team collaboration.	
Sales Operations Team – RedBull Egypt	(2024 – 2025)
Sales strategy, brand promotion, customer engagement, logistics support, adaptability, and teamwork.	

## PROJECTS:

- Handwritten Number & Letter Recognition:** Built a neural network model using ESP32-CAM to recognize handwritten digits and letters.
- Radar Car Speed Detector (IoT):** Developed an embedded system using Arduino and ESP32 to detect car speeds and upload data to the cloud.
- AI-Enhanced Course Management System:** Created a web-based system with AI grading and student performance predictions.
- AI-Based Fraud Detection System:** Applied machine learning algorithms to detect anomalies in financial transactions.
- Biometric Vault using AES Encryption:** Secured sensitive data using biometric access and AES encryption protocols.
- Wi-Fi Defense Monitoring System:** Designed a threat detection system using ESP32 to monitor wireless network activity.
- E-Commerce Website – J.crochet:** Developed a functional online store with user authentication, product listings, and checkout.

## CERTIFICATIONS:

AWS Cloud Security Foundations – AWS Academy	(August 2024)
AWS Machine Learning Foundations – AWS Academy	(May 2025)
Network Fundamentals – Cisco	(In Progress)
CyberOps Associate – Cisco	(In Progress)

## SKILLS:

- Communication
- Team Collaboration
- Time Management

## LANGUAGES:

- Critical Thinking
- Analytical Thinking
- Problem Solving
- Arabic: Native
- English: B2

## TECHNICAL SKILLS:

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- **Programming:** C++, C (Arduino/Embedded), Python, MATLAB
- **Web Development:** HTML, CSS, JS (Frontend), PHP (Backend)
- **AI:** Artificial Intelligence, Machine Learning, Neural Networks
- **Systems:** Data Structures & Algorithms, Logic Design, Cryptography, Security of Information Systems
- **Embedded & Robotics:** Arduino, ESP32, Sensor Integration
- **Databases:** SQL, Relational Database Design
- **Design & Tools:** AutoCAD, Manual Engineering Drawings