

Muhammad Ehab

Software & Network Engineer | Founder of Zain Tech

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PROFESSIONAL SUMMARY

Faculty of Computers and Information Systems student at Egyptian Chinese University (ECU) and Founder of Zain Tech. Passionate Software Engineer specializing in System Analysis, Cybersecurity, and Automation. Skilled in bridging the gap between software (C++, Python) and hardware (IoT/Arduino). Aspiring to build robust, secure network infrastructures and innovative software solutions.

TECHNICAL ARSENAL

Networking & Security: Software	CCNA, CCNP, Cybersecurity Fundamentals, Network Protocols (TCP/IP, OSI)
Core: Web Development:	C++, Python, OOP, Data Structures, Algorithms, System Analysis, SQL HTML5, CSS3, JavaScript, Astro Framework, Tailwind CSS
Hardware & IoT:	Arduino, ESP32, IoT Prototyping, Circuit Design
Tools & Environment:	Linux (Kali/Ubuntu), Git & GitHub, VS Code, CLion, PyCharm

EDUCATION

B.Sc. in Computers & Information Systems

Egyptian Chinese University (ECU) | Present

KEY PROJECTS

University Banking System [C++ & SFML]

A comprehensive banking system simulation featuring user account management, transaction processing, and a GUI interface.

Medical Oxygen Monitor [Arduino & IoT]

An IoT-based device to monitor oxygen levels (SpO2) and heart rate using MAX30102 sensor with a 3D-printed enclosure.

Zain Tech Portfolio [Astro & Web Tech]

A personal brand portfolio website with a cyberpunk aesthetic, deployed on Vercel.

Automated Doc Generator [Python Scripting]

A productivity tool using python-docx to automate the creation of styled Word documents for academic reports.