

# Hassan Al-Sabbagh

Dubai, UAE

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## Education

American University of Sharjah

Bachelor of Science in Electrical and Computer Engineering

Sep 2017 – Jun 2021 | Sharjah, UAE

GPA: 3.7/4.0

Activities: IoT Club Lead, IEEE Student Branch, Hackathon Mentor

Relevant Coursework: IoT Security, Embedded Systems, Wireless Protocols, Cloud Integration

Summer School: MIT 2020 (GPA: 3.9/4.0)

## Work Experience

IoT Security Engineer | Etisalat Digital | Jul 2021 - Present | Dubai, UAE

- Secured IoT devices using TLS and device attestation.
- Developed secure firmware update processes for embedded sensors.
- Automated security compliance checks with Python scripts.

## Skills

Protocols: MQTT, CoAP, DTLS

Tools: Zephyr RTOS, mbedTLS, Wireshark

Other Skills: Embedded Security, Firmware Hardening, Compliance Testing

## Certificates

Certified IoT Security Practitioner

Coursera: Internet of Things Security

Udemy: Embedded Security Fundamentals

## Awards

Etisalat Innovation Award 2022

AUS Dean's List

First Place – UAE IoT Security Challenge