

Karim Khan

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Education

Khalifa University

Master of Science in Computer Engineering

Sep 2017 – Jun 2019 | Abu Dhabi, UAE

GPA: 3.85/4.0

Activities: Robotics Club Lead, IEEE Volunteer, Peer Mentor

Relevant Coursework: Embedded Systems, Real-Time OS, IoT, Networking

Summer School: MIT 2018 (GPA: 3.9/4.0)

Work Experience

IoT Software Engineer | Emirates Group | Jul 2019 - Present | Dubai, UAE

- Developed firmware in C++ for ARM Cortex-M devices.
- Integrated MQTT and CoAP protocols for IoT communication.
- Automated OTA updates with secure bootloader.

Skills

Languages: C++, Python, Java

Protocols: MQTT, CoAP

Tools: Zephyr RTOS, Docker

Other: Embedded Linux, Security Best Practices

Certificates

Certified IoT Professional

Cisco CCNA

Awards

Emirates Innovation Grant 2020

Khalifa University Research Fellowship