Fatima Al-Hassan

Dubai, UAE

fatima.hassan@fakeemail.ae | +971 4 123 4567 | LinkedIn | GitHub

Education

Khalifa University

Bachelor of Science in Computer Engineering

Sep 2019 – Jun 2023 | Abu Dhabi, UAE

GPA: 3.85/4.0

Activities: IEEE Student Branch Chair, Robotics Competition Organizer, Peer Mentor

Relevant Coursework: VLSI Design, Embedded Systems, FPGA Programming, Digital Signal Processing, IoT

Summer School: MIT 2022 (GPA: 4.0/4.0), University of Tokyo 2021 (GPA: 3.8/4.0)

Work Experience

Embedded Systems Engineer | Emirates Group | Jul 2023 - Present | Dubai, UAE

- Designed firmware in C for real-time avionics monitoring systems.

- Conducted hardware–software integration and testing on ARM Cortex-M devices.

- Optimized power consumption by 15% through code enhancements.

Skills

Programming: C, C++, Python

Hardware: ARM Cortex, FPGA, Verilog, VHDL

Tools: Keil, Vivado, Git

Other Skills: Hardware Debugging, Real-Time OS, RTOS, Embedded Linux

Certificates

IEEE: Certified Embedded Systems Professional

Coursera: Digital Signal Processing

Udemy: FPGA Development with VHDL

Awards

Khalifa University Outstanding Graduate Award

IEEE Region 8 Robotics Contest Winner 2022

Emirates Innovation Grant 2023