

Fatima Al-Khalifa

Riyadh, Saudi Arabia

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Education

King Fahd University of Petroleum & Minerals

Bachelor of Science in Computer Engineering

Sep 2016 – Jun 2020 | Dhahran, Saudi Arabia

GPA: 4.3/5.0

Activities: IEEE Student Branch Chair, Robotics Club Lead, Peer Mentor

Relevant Coursework: Embedded Systems, IoT, Telecommunications

Summer School: Stanford University 2019 (GPA: 3.9/4.0)

Work Experience

Embedded Software Engineer | STC | Jul 2020 - Present | Riyadh, Saudi Arabia

- Developed C firmware for telecom devices handling 1M+ connections.
- Automated testing with Robot Framework reducing defects by 35%.
- Integrated TLS and secure boot for device security.

Skills

Languages: C, C++, Python

Protocols: SIP, RTP, TLS

Tools: Keil, Vivado

Other: Embedded Linux, Security Best Practices

Certificates

Cisco CCNP Service Provider

Certified Embedded Systems Professional

Awards

STC Technical Excellence Award 2021

KFUPM Academic Scholarship