MOHAMMED ALSHUAILI

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PERSONAL STATEMENT

An Electronic and Computer Engineering professional with a passion for learning, growth and development. Eager to enhance my knowledge in the technology industry. Interests include Machine Learning, Software Development and Computer Networking.

EDUCATION

Bachelor of Engineering, BEng Electronic and Computer Engineering   2021-2025
Dublin City University - Dublin
1st Class Honours in all modules and 1st overall ranking in exam results.
- Object-Oriented Programming | Data Analytics and Machine Learning | Data Communication and Networking |IOT | Computer Architecture and HDL | HTML and JavaScript

Certificate of Higher Education, high school   2019
Institute of sciences and higher education, Ibri, Oman
95% overall (equivalent to H1 in leaving certificate).

EXPERIENCE AND PROJECTS

Software Engineer   2024
Klass Telecom
- Contributed to the development and maintenance of *Keel*, a lightweight Linux-based OS with KVM hypervisor, SDN, and firewall features.
- Developed new features, fixed bugs, and addressed customer requirements using Python, bash scripting and C++.
- Implemented hardware integrations such as USB detection and filesystem management (exFAT, NTFS, ext3/4).
- Managed QEMU/KVM virtual machines, integrated firmware (OVMF), and customized build root.

Huawei Seeds For Future
- Selected for the Huawei Seeds for the Future program that included the top 20 students in Ireland.
- Designed a wearable device to monitor health and send live data to the cloud using 5G, Artificial intelligence, Digital Power, and Cloud Computing.

Mobile Robot:
- Team leader in a group of 4 responsible for the software development, algorithms, and the design of a mobile robot.
- Organised team meetings to discuss innovation and the overall architecture and functionality of the robot. My team came first place in the Annual DCU mobile robotics competition which included 100 participants.

Technical Support Engineer   Jul 2019 to Sep 2020
Phone repair shop – Muscat, Oman
- Assisted clients with installation, systems, software, and set-up challenges.
- Provided step-by-step technical support to clients to maintain excellent phone hardware.

Technical Skills

- Object-originated programming: C/C++ | MATLAB | Python | Java | Operating Systems(Linux)| Python Django | HTML and JavaScript
- Microcontroller programming: C++ | Aurdino Uno programming.
- Computing Networking: Sdwan | Snmp | Cisco | Keel OS | VPN | 5G | Network Interfaces
- Linux, SSH, Python, Git, Docker, QEMU/KVM, UEFI, Device Path Management

Soft Skills

Sports Organiser:
- Founded and led football matches exclusively for engineering and computing students.
- Successfully organised over 100 matches coordinating logistics, schedules, and teams for student participation.
- Served as team captain, demonstrating leadership and team-building skills.

Hobbies and interests:
- Volunteering and community involvement.
- Reading.
- Travelling.
- Learning foreign languages

Others:
- Time management.
- Decision-Making skills.
- Technical issues analysis.

Personal Achievements/Awards
- Winner of the Maths Olympiad in the Ministry of Higher Education
- Huawei Seeds For The Future Alumni
- Outstanding Learner Award

Languages: Fluent in English and Arabic