



Mofadal Alymani , PhD

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PROFILE

To secure a challenging position in a high-quality computer engineering environment where my work experience and professional skills can add value to organizational operations.

EDUCATION

08/2007 – 06/2012
Makkah, Saudi Arabia

Computer Engineering | Bachelor Umm Al-Qura University

GPA = 3.55/4.0 with an Excellent and second-class honors degree.

09/2015 – 05/2017
Hoboken, United States

Computer Engineering | Master Stevens Institute of Technology

GPA = 3.63/4.0.

09/2017 – 05/2021
Hoboken, United States

Computer Engineering | Ph.D. Stevens Institute of Technology

GPA = 3.74/4.0.

WORK EXPERIENCE

07/2010 – 08/2010
Jeddah, Saudi Arabia

Computer Engineer Saudi Aramco Company

First Summer Training: Information Technology Department

07/2011 – 08/2011
Dhahran, Saudi Arabia

Computer Engineer Saudi Aramco Company

Second Summer Training: International Training Center (ITC) Department

02/2013 – 02/2019
Al-Dawadmy,
Saudi Arabia

Teaching Assistant Shaqra University

Computer and Network Engineering Department

02/2019 – 12/2021
Shaqra, Saudi Arabia

Lecturer Shaqra University

Computer and Network Engineering Department

12/2021 – 08/2025
Shaqra, Saudi Arabia

Assistant Professor Shaqra University

Computer and Network Engineering Department

08/2025 – present
Shaqra, Saudi Arabia

Associate Professor Shaqra University

Computer and Network Engineering Department

03/2022 – present
Shaqra, Saudi Arabia

Department Head Shaqra University

Computer and Network Engineering Department

COMMITTEES & UNITS MEMBERSHIP IN SHAQRA UNIVERSITY

- Chair of the Learning Resources, Facilities, And Equipment Unit (Oct. 2021 – Now).
- Chair of the Training and Partnerships Committee (Sep. 2023 – Sep. 2025).
- Rapporteur of the Graduation Projects Committee (Oct. 2021 – Sep. 2025).
- Rapporteur of the Education Quality Committee (Feb. 2022 – Now).
- Member of the Alumni and Scholarship Unit (Mar. 2022 – Sep. 2023).
- Member of the Graduate Studies Committee (Mar. 2022 – Sep. 2024).
- Member of the Strategic Planning and Development Committee (Mar. 2022 – Sep. 2025).
- Member of the Academic Advising Unit (Sep. 2022 – Sep. 2023).
- Member of the Curriculum and Course Development Committee (Sep. 2022 – Sep. 2025).
- Member of the Quality Assurance and Accreditation Unit (Sep. 2023 – Sep. 2025).
- Member of the Graduation Projects Committee (Sep. 2025 – Now).
- Member of the Plans and Curricula Unit (Sep. 2025 – Now).
- Member of the Standing Committee for International Cooperation and Agreements (May 2023 – Dec. 2024).

PROFESSIONAL CERTIFICATIONS

02/2024 **Online Teaching / Training - Advanced Level (OTT-A)**
National eLearning Center

TRAINING COURSES (CERTIFICATED)

05/2025 **Academic Quality Practitioner**
Education & Training Evaluation Commission

VOLUNTEERING AT STEVENS INSTITUTE OF TECHNOLOGY

08/2017 – 08/2018 **Treasurer**
Hoboken, United States **Saudi Students Association**

08/2018 – 08/2019 **President**
Hoboken, United States **Saudi Students Association**

PUBLICATIONS

2020 **Rician K-Factor Estimation Using Deep Learning**
2020 29th Wireless and Optical Communications Conference
(WOCC)
<https://doi.org/10.1109/WOCC48579.2020.9114948>

2020 **5G Signal Identification Using Deep Learning**
2020 29th Wireless and Optical Communications Conference
(WOCC)
<https://doi.org/10.1109/WOCC48579.2020.9114912>

2020 **Classification of QPSK Signals with Different Phase Noise**
Levels Using Deep Learning
2020 29th Wireless and Optical Communications Conference
(WOCC)
<https://doi.org/10.1109/WOCC48579.2020.9114928>

2021 **Radio Spectrum Awareness Using Deep Learning**
Identification of Fading Channels, Signal Distortions, MAC
Protocols, and Cellular Systems
Intelligent and Converged Networks
<https://doi.org/10.23919/ICN.2021.0004>

- 2021 **QAM Signal Classification and Timing Jitter Identification Based on Eye Diagrams and Deep Learning**
2021 30th Wireless and Optical Communications Conference (WOCC)
<https://doi.org/10.1109/WOCC53213.2021.9603028>
- 2021 **Modulation Classification in a Multipath Fading Channel Using Deep Learning: 16QAM, 32QAM and 64QAM**
2021 30th Wireless and Optical Communications Conference (WOCC)
<https://doi.org/10.1109/WOCC53213.2021.9603108>
- 2022 **Investigating the Factors Influencing the Use of Cloud Computing**
Journal of Information Security and Cybercrimes Research
<https://doi.org/10.26735/RNOA9602>
- 2023 **Dispersal Foraging Strategy with Cuckoo Search Optimization Based Path Planning in Unmanned Aerial Vehicle Networks**
IEEE Access
<https://doi.org/10.1109/ACCESS.2023.3262160>
- 2023 **Sustainable Residential Building Energy Consumption Forecasting for Smart Cities Using Optimal Weighted Voting Ensemble Learning**
Sustainable Energy Technologies and Assessments
<https://doi.org/10.1016/j.seta.2023.103271>
- 2023 **Chaotic Jaya Optimization Algorithm with Computer Vision-Based Soil Type Classification for Smart Farming**
IEEE Access
<https://doi.org/10.1109/ACCESS.2023.3288814>
- 2023 **Metaheuristics Algorithm-Based Minimization of Communication Costs in Federated Learning**
IEEE Access
<https://doi.org/10.1109/ACCESS.2023.3300221>
- 2023 **Dynamic Auto-Configuration over Node Communication in Mobile Wireless Networks**
Soft Computing
<https://doi.org/10.1007/s00500-023-09262-x>
- 2023 **Energy Aware Routing with Optimal Deep Learning based Anomaly Detection in 6G-IoT Networks**
Sustainable Energy Technologies and Assessments
<https://doi.org/10.1016/j.seta.2023.103494>
- 2024 **RNN-BiLSTM-CRF based Amalgamated Deep Learning Model for Electricity Theft Detection to Secure Smart Grids**
PeerJ Computer Science
<https://doi.org/10.7717/peerj-cs.1872>
- 2024 **A Practical Study of Intelligent Image-Based Mobile Robot for Tracking Colored Objects**
Computers, Materials & Continua
<https://doi.org/10.32604/cmc.2024.052406>

PUBLICATIONS

2024

The Impact of the Internet of Things (IoT) on Enhancing Smart Cities: A Literature Review
International Conference on Business and Technology
https://doi.org/10.1007/978-3-032-00444-4_32

2025

Enabling smart parking for smart cities using Internet of Things (IoT) and machine learning
PeerJ Computer Science
<https://doi.org/10.7717/peerj-cs.2544>

PERSONAL SKILLS

- PROGRAMMING LANGUAGES

Python
Full

C++
Full

MATLAB
Full

- SOFT SKILLS

Curriculum Development
Professional

Budget Management
Full

Resource Management
Professional

Collaboration
Full

Academic Program Evaluation
Professional

Faculty Development
Full

STRENGTHS

Leadership # Management # Communication # Working under pressure # Teamwork

LANGUAGES

Arabic
Native

English
Professional

INTERESTS



New Technology



Traveling



Sport

REFERENCES

munif@su.edu.sa

Munif Alotaibi
Shaqra University

Dean of the College of Computing and Information Technology and Associate Professor at Shaqra University