Mofadal Alymani

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Objective:	• To get a challenging position in a high-quality computer engineering where my work experience and professional skills will add value to organizational operations.
Education:	***August 2007 –June 2012*** • Bachelor's in **Computer Engineering**, College of Computer and Information System, Umm Al-Qura University, Makkah, Saudi Arabia. • **GPA = 3.55/4.0** with Excellent and Second honors degree. ***September 2015 –May 2017*** • Master's in **Computer Engineering** with Graduate Certificate in **Networked Information Systems**, Schaefer School of Engineering & Science, Stevens Institute of Technology, Hoboken, New Jersey, United States. • **GPA = 3.63/4.0.** ***September 2017 –May 2021*** • Ph.D. in **Computer Engineering**, Schaefer School of Engineering & Science, Stevens Institute of Technology, Hoboken, New Jersey, United States. • **GPA = 3.74/4.0.**
Work Experience:	***2007, 2008, 2009 & 2012 (Seasonal Job)*** • National Establishment for pilgrims of African and non-Arab Countries, Reception Committee department, Makkah, Saudi Arabia. ***July 2010- August 2010 (First Summer Training)*** • Saudi Aramco Company, Information Technology Department, IT Customer Care Center Unit, Jeddah, Saudi Arabia. ***2011 (Seasonal Job)*** • National Establishment for pilgrims of South Asia, Civil Defense, Makkah, Saudi Arabia. ***July 2011- August 2011 (Second Summer Training)*** • Saudi Aramco Company, International Training Center (ITC) Department, Communications Training Unit, Dhahran, Saudi Arabia. ***2012 & 2013 (Seasonal Job)*** • China Railway Construction Corporation Ltd – Saudi Branch, Station Agent (Platform), Makkah, Saudi Arabia. ***February 2013 – Now*** • **Shaqra University**, College of Engineering, Computer and Network Engineering Department, **Teaching Assistant**, Al-Dawadmy, Saudi Arabia (Feb. 2013 – Feb. 2019). • **Shaqra University**, College of Computing and Information Technology, Computer and Network Engineering Department, **Lecturer**, Shaqra, Saudi Arabia (Feb. 2019 – Dec. 2021). • **Shaqra University,** College of Computing and Information Technology, Computer and Network Engineering Department, **Assistant Professor**, Shaqra, Saudi Arabia (Dec. 2021 – Now). • **Shaqra University,** College of Computing and Information Technology, Computer and Network Engineering Department, **Department Head**, Shaqra, Saudi Arabia (Mar. 2022 – Now).

Committees & Units Membership:	*Shaqra University, College of Computing and Information Technology*
	- **Chair** of the Laboratories, IT, and Learning Resources Unit (Oct. 2021 – Now).
	- **Rapporteur** in the Graduation Projects Committee (Oct. 2021 – Now).
	- **Rapporteur** in the Education Quality Committee (Feb. 2022 – Now).
	- **Member** of the Strategic Planning and Development Committee (Mar. 2022 – Now).
	- **Member** of the Graduate Studies Committee (Mar. 2022 – Now).
	- **Member** of the Alumni and Scholarship Unit (Mar. 2022 – Sep. 2023).
	- **Member** of the Curriculum and Course Development Committee (Sep. 2022 – Now).
	- **Member** of the Academic Advising Unit (Sep. 2022 – Sep. 2023).
	- **Chair** of the Training and Partnerships Committee (Sep. 2023 – Now).
	- **Member** of the Quality Assurance and Accreditation Unit (Sep. 2023 – Now).
	Shaqra University, University Agency for Graduate Studies & Research
	- **Member** of the Standing Committee for International Cooperation and Conventions (May 2023 – Now).
Short courses: (Certificated)	- Certificate in **SDH Operation & Maintenance (STM-1)** Course from Training & Development in Saudi Aramco Company for 80 hours. (July 9 to 20, 2011).
	- Certificate in **Interconnecting CISCO Network Devices-Part 1** Course from Training & Development in Saudi Aramco Company for 40 hours. (August 6 to 10, 2011).
	- Certificate in **Interconnecting CISCO Network Devices-Part 2** Course from Training & Development in Saudi Aramco Company for 40 hours. (August 13 to 17, 2011).
Activities:	- **Moderator** of Scientific Meeting of the Preparatory Students of Umm Al-Qura University Scientific Conference second and third, Makkah. (2010 – 2011).
	- **Member** of the Computer Club at Umm Al-Qura University (2008 – 2012).
	- **Treasurer** of the Saudi Students Association at Stevens Institute of Technology (2017 – 2018).
	- **President** of the Saudi Students Association at Stevens Institute of Technology (2018 – 2019).
List of Publications:	- **M. Alymani**, M. H. Alhazmi, A. Almarhabi, H. Alhazmi, A. Samarkandi, and Y. Yao, "Rician K-Factor Estimation Using Deep Learning," 2020 29th Wireless and Optical Communications Conference (WOCC), Newark, NJ, USA, 2020, pp. 1-4, doi: 10.1109/WOCC48579.2020.9114948.
	- M. H. Alhazmi, **M. Alymani**, H. Alhazmi, A. Almarhabi, A. Samarkandi, and Y. Yao, "5G Signal Identification Using Deep Learning," 2020 29th Wireless and Optical Communications Conference (WOCC), Newark, NJ, USA, 2020, pp. 1-5, doi: 10.1109/WOCC48579.2020.9114912.
	- H. Alhazmi, A. Almarhabi, A. Samarkandi, **M. Alymani**, M. H. Alhazmi, Z. Sheng, and Y. Yao, "Classification of QPSK Signals with Different Phase Noise Levels Using Deep Learning, "2020 29th Wireless and Optical Communications Conference (WOCC), Newark, NJ, USA, 2020, pp. 1-5, doi: 10.1109/WOCC48579.2020.9114928.
	- Y. Zhou, H. Alhazmi, M. H. Alhazmi, A. Almarhabi, **M. Alymani**, M. He, S. Peng, A. Samarkandi, Z. Sheng, H. Wang, and Y. Yao, "Radio Spectrum Awareness Using Deep Learning Identification of Fading Channels, Signal Distortions, MAC Protocols, and Cellular Systems," in Intelligent and Converged Networks, vol. 2, no. 1, pp. 16-29, March 2021, doi: 10.23919/ICN.2021.0004, doi: 10.23919/ICN.2021.0004.
	- A. Almarhabi, H. Alhazmi, A. Samarkandi, **M. Alymani**, M. H. Alhazmi, and Y. Yao, "QAM Signal Classification and Timing Jitter Identification Based on Eye Diagrams and Deep Learning," 2021 30th Wireless and Optical Communications Conference (WOCC), 2021, pp. 1-5, doi: 10.1109/WOCC53213.2021.9603028.
	- A. Samarkandi, A. Almarhabi, H. Alhazmi, **M. Alymani**, M. H. Alhazmi, and Y. Yao, "Modulation Classification in a Multipath Fading Channel Using Deep Learning: 16QAM, 32QAM and 64QAM," 2021 30th Wireless and Optical Communications Conference (WOCC), 2021, pp. 6-10, doi: 10.1109/WOCC53213.2021.9603108.

- H. Alshahrani, A. Alshahrani, M. Ahmed Elfaki, S. Alshahrani, **M. Alymani**, and Y. Alkhurayyif, "Investigating the Factors Influencing the Use of Cloud Computing," JISCR, vol. 5, no. 2, pp. 104-115, Dec. 2022, doi:10.26735/RNOA9602.

- **M. Alymani**, H. Alsolai, M. Maashi, A. Alhebri, H. Alshahrani, F. N. Al-Wesabi, A. Mohamed, and M. A. Hamza, "Dispersal Foraging Strategy with Cuckoo Search Optimization Based Path Planning in Unmanned Aerial Vehicle Networks," IEEE Access, vol. 11, pp. 31365-31372, 2023, doi: 10.1109/ACCESS.2023.3262160.

- **M. Alymani**, H. A. Mengash, M. Aljebreen, N. Alasmari, R. Allafi, H. Alshahrani, M. A. Elfaki, M. A. Hamza, and A. A. Abdelmageed, "Sustainable Residential Building Energy Consumption Forecasting for Smart Cities Using Optimal Weighted Voting Ensemble Learning," Sustainable Energy Technologies and Assessments, vol. 57, pp. 103271, 2023, doi: 10.1016/j.seta.2023.103271.

- H. Alshahrani, H. K. Alkahtani, K. Mahmood, **M. Alymani**, G. P. Mohammed, A. A. Abdelmageed, S. Abdelbagi, and S. Drar, "Chaotic Jaya Optimization Algorithm with Computer Vision-Based Soil Type Classification for Smart Farming," IEEE Access, vol. 11, pp. 65849-65857, 2023, doi: 10.1109/ACCESS.2023.3288814.

- M. A. Elfaki, H. M. Alshahrani, K. Mahmood, R. Alabdan, **M. Alymani**, H. Alshahrani, A. Motwakel, and A. A. Alneil, "Metaheuristics Algorithm-Based Minimization of Communication Costs in Federated Learning," IEEE Access, vol. 11, pp. 81310-81317, 2023, doi: 10.1109/ACCESS.2023.3300221.

- M. A. Elfaki, **M. Alymani**, Z. F. Khan, S. A. Alahmari, and S. Rajeyyagari, "Dynamic Auto-Configuration over Node Communication in Mobile Wireless Networks," Soft Computing, Sep. 2023, doi:10.1007/s00500-023-09262-x.

- H. Alshahrani, M. Maray, M. Aljebreen, **M. Alymani**, M. A. Elfaki, M. Al Duhayyim, and P. Balaji, D. Gupta, "Energy aware routing with optimal deep learning based anomaly detection in 6G-IoT networks," Sustainable Energy Technologies and Assessments, Vol. 60, pp. 103494, 2023, doi: 10.1016/j.seta.2023.103494.

Personal Skills:	• Multiple programming languages (Python, C++, and MATLAB). • Communication Skills.

Languages:	Arabic and English.
Interests:	Reading about the last Technology, Travelling, and Sport.
References:	Associate Professor at Shaqra University Dr. Munif Alotaibi, munif@su.edu.sa