



1. Personal Information.

Name	Mahmoud Yahya Abdullah Aljamal
Place of Birth	Jordan
Nationality	Jordanian
Address	Jordan-Irbid
Mobile Number	00962789284576
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2. Academic Qualifications

#	Degree	Specialization	Rate	Language of study	University Name	Graduation Date
1.	M.A or M.Sc.	Cybersecurity	Excellent	English	The Hashemite University (HU)	2023
2.	B.A. OR B.Sc.	Computer Science	Good	English	Al- Balqa' Applied University (BAU)	2021
3.	G.S.E.C	Industrial	Very good	Arabic	Wasfi Al-Tal Secondary Industrial Comprehensive School for Boys	2016
Field of narrow specialization for higher degree: Cybersecurity, Networking, and Artificial Intelligence.						
Title of Master Thesis: Optimizing risk mitigation: A simulation-based model for detecting fake IoT clients in smart city environments						

3. Academic Experience

#	Position	Place of work	Period of work
1.	Lecturer	Irbid National University, Jordan	2024 - Present
2.	Teacher Assist (TA)	The Hashemite University (HU)	2022-2023

4. Membership in Academic Societies Associations

#	Name of Association
1.	Reviewer at Cluster Computing - Springer Nature, Scopus Indexed Academic Journal (Q1)
2.	Reviewer at Discover Artificial Intelligence - Springer Nature, Scopus Indexed Academic Journal (Q1)

5. Conferences

#	Name of Conferences	Date of Conferences	Place of Conferences
1.	25th International Arab Conference on Information Technology (ACIT'2024), IEEE., [Jordan]	2024	Jordan
2.	The International Conference on Multimedia Computing, Networking and Applications (MCNA2024),	2024	Spain
3.	Proceedings of the 2023 International Conference on Advances in Computing Research (ACR'23)	2023	USA
4.	The 11th International Conference on Information Technology (ICIT 2023),	2023	Jordan
5.	IEEE International Symposium on Dependable, Autonomic Computing (DASC)	2023	Abu Dhabi, United Arab Emirates
6.	Intelligent Cybersecurity Conference (ICSC)	2023	San Antonio, USA

6. Publish Research Paper

Name of Paper
Mughaid, A., Alqahtani, A., AlZu'bi, S., Obaidat, I., Alqura'n, R., AlJamal, M., & AL-Marayah, R. (2023, May). Utilizing machine learning algorithms for effectively detection iot ddos attacks. In <i>International Conference on Advances in Computing Research</i> (pp. 617-629). Cham: Springer Nature Switzerland.
Alqura'n, R., AlJamal, M., Al-Aiash, I., Alsarhan, A., Khassawneh, B., Aljaidi, M., & Alanazi, R. (2024). Advancing XSS detection in IoT over 5g: a cutting-edge artificial neural network approach. <i>IoT</i> , 5(3), 478-508.
AlJamal, M., Mughaid, A., Bani-Salameh, H., Alzubi, S., & Abualigah, L. (2024). Optimizing risk mitigation: A simulation-based model for detecting fake IoT clients in smart city environments. <i>Sustainable Computing: Informatics and Systems</i> , 43, 101019.
Mughaid, A., AlJamal, M., Issa, A. A., AlJamal, M., Alquran, R., AlZu'bi, S., & Abutabanjeh, A. A. (2023, October). Enhancing cybersecurity in scada iot systems: A novel machine learning-based approach for man-in-the-middle attack detection. In <i>2023 3rd Intelligent Cybersecurity Conference (ICSC)</i> (pp. 74-79). IEEE.
AlJamal, M., Alquran, R., Issa, A. A., Mughaid, A., AlZu'bi, S., & Abutabanjeh, A. A. (2023, August). A novel machine learning cyber approach for detecting wannalocker ransomware attack on android devices. In <i>2023 international conference on information technology (ICIT)</i> (pp. 135-142). IEEE.



- Al-Aiash, I., Alquran, R., AlJamal, M., Alsarhan, A., Aljaidi, M., & Al-Fraihat, D. (2024). Optimized digital watermarking: Harnessing the synergies of Schur matrix factorization, DCT, and DWT for superior image ownership proofing. *Multimedia Tools and Applications*, 1-36.
- Alsarhan, A., AlJamal, M., Harfoushi, O., Aljaidi, M., Barhoush, M. M., Mansour, N., ... & Al-Fraihat, D. (2024). Optimizing Cyber Threat Detection in IoT: A Study of Artificial Bee Colony (ABC)-Based Hyperparameter Tuning for Machine Learning. *Technologies*, 12(10), 181.
- Aljamal, M., Mughaid, A., Alquran, R., Almiani, M., & AlZu'bi, S. (2023, November). Simulated model for preventing IoT fake clients over the smart cities environment. In *2023 IEEE Intl Conf on Dependable, Autonomic and Secure Computing, Intl Conf on Pervasive Intelligence and Computing, Intl Conf on Cloud and Big Data Computing, Intl Conf on Cyber Science and Technology Congress (DASC/PiCom/CBDCCom/CyberSciTech)* (pp. 0757-0761). IEEE.
- Mughaid, A., Ibrahim, R., AlJamal, M., & Al-Aiash, I. (2024, September). Detection of Trojan Horse in the Internet of Things: Comparative Evaluation of Machine Learning Approaches. In *2024 International Conference on Multimedia Computing, Networking and Applications (MCNA)* (pp. 35-41). IEEE.
- AlJamal, M., Alquran, R., Alsarhan, A., Aljaidi, M., Alhmmad, M., Al-Jamal, W. Q., & Albalawi, N. (2024). A Robust Machine Learning Model for Detecting XSS Attacks on IoT over 5G Networks. *Future Internet*, 16(12), 482.
- Alsarhan, A., Alnatsheh, A., Aljaidi, M., Makkawi, T. A., Aljamal, M., & Alsarhan, T. (2024). Optimizing Electric Vehicle Charging Infrastructure through Machine Learning: A Study of Charging Patterns and Energy Consumption. *International Journal of Interactive Mobile Technologies*, 18(21).
- AlJamal, M., Alquran, R., Alsarhan, A., Aljaidi, M., Al-Jamal, W. Q., & Alkoradees, A. F. (2025). Optimized Novel Text Embedding Approach for Fake News Detection on Twitter X: Integrating Social Context, Temporal Dynamics, and Enhanced Interpretability. *International Journal of Computational Intelligence Systems*, 18(1), 22.
- Almomani, H., Alsarhan, A., AlJamal, M., Aljaidi, M., Alsarhan, T., Khassawneh, B., ... & BaniMustafa, A. (2024, December). Proactive Insider Threat Detection Using Facial and Behavioral Biometrics. In *2024 25th International Arab Conference on Information Technology (ACIT)* (pp. 1-7). IEEE.
- AlJamal, O. S., AlJamal, M., Alsarhan, A., Aljaidi, M., Okour, S., Al-Aiash, I., ... & Elrashidi, A. (2024, December). Design and Simulation of a Network Infrastructure for a Multi-Branch Organization Using Cisco Packet Tracer. In *2024 25th International Arab Conference on Information Technology (ACIT)*



(pp. 1-10). IEEE.

AlJamal, M., Alquran, R., Aljaidi, M., AlJamal, O. S., Alsarhan, A., Al-Aiash, I., ... & Khouj, M. (2024, December). Harnessing ML and NLP for Enhanced Cybersecurity: A Comprehensive Approach for Phishing Email Detection. In *2024 25th International Arab Conference on Information Technology (ACIT)* (pp. 1-9). IEEE.

Almomani, H., Alsarhan, A., AlJamal, M., Aljaidi, M., Alsarhan, T., Khassawneh, B., ... & Singla, M. K. (2024, December). Securing Internet of Vehicles IoV Communications: A Biometric and Hash-Key Derivation Function HKDF-Based Approach. In *2024 25th International Arab Conference on Information Technology (ACIT)* (pp. 1-7). IEEE.

7.Languages :

Arabic (For non - Arabic Speakers)
English: Very good
Other Languages

I'M M.Sc. Mahmoud Aljamal Hereby that all the foregoing statements above are true, and I bear complete legal responsibility.

Signature :

Place& Date: Irbid- Jordan 9.4.2025