



Name: Amro Saleh

Bio:

Amro Saleh is an academic researcher and Ph.D candidate in Computer Science at *Princess Sumaya University for Technology (PSUT)*. He holds a master's degree in computer engineering from the *German Jordanian University* and a bachelor's degree in computer science from the *University of Jordan*. His research focuses on distributed Data and AI systems, with a particular interest in developing secure and scalable AI techniques for real-world applications across big data and cloud computing domains.

With long-standing industry experience complementing his academic journey, Amro brings a unique balance of practical insight and theoretical depth. His work bridges innovation with implementation, addressing critical challenges in decentralized data environments, model integrity, and trustworthy AI. He is actively involved in scholarly publishing, collaborative research, and academic outreach, and is committed to shaping the next generation of secure, ethical, and inclusive Data and AI technologies.

Published Research

Saleh, A., Mosa, H., & Alkasassbeh, M. (2025, April). Streaming-Based Intrusion Detection with Big Data and Online Learning Algorithms. In 2025 International Conference on New Trends in Computing Sciences (ICTCS).

Saleh, A., N Al-Madi (2025, February). Breast Ultrasound Imaging Classification Using Federated Learning Techniques. Tenth International Congress on Information and Communication Technology, London, UK.

Saleh, A., Mosa, H., Qusef, A., & Abu Al-Haija, Q. (2025, March). Cloud-Based Software Architecture for Scalability and Resilience. In Modern Insights on Smart and Secure Software Development (pp. 263–288). Cham: Springer Nature.

Mosa, H., **Saleh, A.**, & Al-Badarneh, A. (2025, April). Performance Comparison of Spatial Data Indexing Using Distributed Systems. In 2025 International Conference on New Trends in Computing Sciences (ICTCS).

Mosa, H., **Saleh, A.**, & Alkasassbeh, M. (2024, December). RPL Routing Attacks Detection for IoT Networks Using Machine Learning. In 2024 International Jordanian Cybersecurity Conference (IJCC).

Mosa, H., **Saleh, A.**, Qusef, A., & Alnabhan, M. (2024, December). Leveraging Blockchain for Ethical Sourcing and Sustainability in Supply Chains: A Systematic Review. In 2024 25th International Arab Conference on Information Technology (ACIT).

Daoud, M., **Saleh, A.**, Hababeh, I., & Alazrai, R. (2019, April). Content-based Image Retrieval for Breast Ultrasound Images using Convolutional Autoencoders: A Feasibility Study. In 2019 3rd International Conference on Bio-engineering for Smart Technologies (BioSMART).

Research Interests

- Big data analytics and stream processing
- Cloud-based AI systems
- Secure and scalable AI infrastructure
- AI applications in medical data and healthcare analytics
- Federated learning and decentralized AI
- IoT and network intrusion detection

Projects and Research Groups

- Blockchain-Based Solutions for Ethical Sourcing and Sustainability in Supply Chains – Funded Project by Princess Sumaya University for Technology
- CyberHubJo – Research Hub initiated by PhD students at Princess Sumaya University for Technology.

Contact Information

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