



DOAA SHWAYAT

جامعة عجلون الوطنية
Ajloun National University



Ajloun, Kufranja



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PROFILE

University lecturer in Cybersecurity and Network Engineering with a Master's degree in Network and Security Engineering. Experienced in teaching cybersecurity, web application programming, and computer networks, as well as supervising practical laboratories and conducting academic research.

Personal Data

Date of birth: 07/02/1998

Nationality: Jordanian

EDUCATION

- ◆ **Master –Network and Security Engineering, Jordan University of Science and Technology, Irbid, Jordan** , 2025, GPA: Excellent .٣,٥٩/٤,٠
- ◆ **Bachelor –Communication and Software Engineering, Al-Balqa Applied University, Jordan** , 2025, GPA: Very Good, .٣,٣٧/٤,٠

WORK EXPERIENCE

- 1. Full-Time Lecturer and Faculty Member: Department of Cybersecurity, Ajloun National University, Ajloun , jordan [3-2026] – Present.**
 - a. Teaching undergraduate courses in Cybersecurity, Computer Systems, and related Information Technology fields.
 - b. Preparing and delivering lectures, course materials, assignments, examinations, and student assessments.
 - c. Supervising students in theoretical and practical academic activities.
 - d. Providing academic guidance and support to students.
 - e. Participating in departmental, academic, and research activities.
- 2. Part-Time Lecturer: Ajloun National University, Ajloun, Jordan [10-2025]**
 - a. Taught undergraduate courses in Cybersecurity and Information Technology.
 - b. Prepared lectures, assignments, examinations, and student assessments.
 - c. Supported students in theoretical and practical course activities.
- 3. Part-Time Lecturer and Laboratory Instructor: Al-Huson University College, Al-Balqa Applied University, Al-Huson, Irbid, Jordan] [9-2025]**
 - a. Taught undergraduate courses and supervised practical laboratories in Web Application Programming, Computer Networks, and related Information Technology fields.
 - b. Prepared laboratory materials, practical assignments, examinations, and student assessments.
 - c. Guided students in completing web development and networking laboratory activities.



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SKILLS

- Cybersecurity Expertise
- Teaching Proficiency
- Laboratory Supervision
- Research Capabilities
- Scientific Writing
- Effective Communication
- Academic Mentoring
- Technical Tool Mastery
- Continuous Professional Development

Languages

Arabic, Russian, English.

TEACHING EXPERIENCE

1. Web Application Programming
2. Web Application Programming Lab
3. Computer Networks and Communications Lab
4. Introduction to Cybersecurity
5. Secure Communication Protocols
6. Operating Systems
7. Digital Logic Design
8. Object-Oriented Programming
9. Programming Language 1 Lab

PROFESSIONAL ACTIVITIES

•**Academic Research in Cybersecurity and IoMT Security:** desab-gninrael enihcam no hcraeser detcudnoC dna reyal-ssorc gniyfitnedi rof smetsys noitceted noisurni sgnihT lacideM fo tenretnI ni skcatta locotorp-ssorc stnemnorivne.

•**Scholarly Publications and Research Contribution:** ecnerefnoc 'selcitra lanruoj derohtua-oc dna derohtuA noisurni 'ytiruces TMol ni retpahc koob a dna 'srepap tsurt dna 'niahckcolb 'gninrael enihcam 'noitceted .tnemeganam

•**University Teaching and Laboratory Supervision:** 'ytirucesrebyC ni sesruoc etaudargrednu derevileD dna 'gnimmargorP noitacilppA beW 'smetsyS retupmoC lacitcarp gnisivrepus ot noitidda ni 'skrowteN retupmoC .seitivitca yrotarobal

•**Cybersecurity Training and Professional Development:** evisneffo ni gniniart dezilaiceps detelpmoC ytiruces 'smetsys MEIS 'ytirucesrebyc evisnefed dna dna 'egdE ecivreS eruceS 'noitneverP ssoL ataD 'gnirotinom .esnopsr tnedicni

•**Practical Cybersecurity Systems Implementation:** gnisu seirotarobal ytiruces detnemelpmi dna dengiseD 'SPI/SDI ataciruS 'MEIS mhtyhRgoL 'MEIS huzaW dna 'revreS swodniW 'yrotceriD evitcA 'llaweriF etaGitroF .stnemnorivne xuniL

•**Secure Web Application Development:** depoleveD 'tpircSavaJ 'PHP gnisu snoitacilppa bew nevird-esabatad LMTH 'LQSyM5 'and CSS, including authentication, database connectivity, and frontend –backend integration.



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Publications

1. **Shwayat**, D., Abu Al-Haija, Q., & Alma'aitah, A. (2026). Resource-aware ML framework for multi-level cross-layer and cross-protocol attack detection in IoMT. The Journal of Supercomputing, 82, Article 291. Springer Nature. DOI: 10.1007/s11227-026-08431-7.
2. **Shwayat**, D., et al. "Cross-Protocol Intrusion Detection in IoMT Using Feature Learning and Ensemble Models." Proceedings of the Second International Symposium on Green Technologies and Applications (ISGTA 2025), Portalegre, Portugal, 2025. SCOPUS Indexed.
3. **Omar**, D., & Abu Al-Haija, Q. "Integrating TinyML with Blockchain for Secure IoT Applications." In Tiny Machine Learning Techniques for Constrained Devices, CRC Press, Taylor & Francis, 2025. DOI: 10.1201/9781003544449-9. SCOPUS Indexed.
4. **Shwayat**, D., & Shurman, M. M. "Improving Trust Management in Ad-hoc Networks." 15th International Conference on Information and Communication Systems (ICICS 2024), IEEE, 2024. DOI: 10.1109/ICICS63486.2024.10638301. SCOPUS Indexed.