

PERSONAL INFORMATION

Dr. Ahed Mleih Al-Sbou



📍 Rawdat Al-Amir Rashid, Ma'an, Jordan

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Sex Male | Date of birth 22/05/1984 | Nationality Jordanian

POSITION

Lecturer in Computer Science / Researcher in Artificial Intelligence and Data Science.

PERSONAL STATEMENT

PhD in Computer Science specializing in Data Science and Artificial Intelligence, with more than 12 years of university teaching experience. My research interests include Artificial Intelligence, Machine Learning, Deep Learning, Recommendation Systems, Data Mining, and Big Data Analytics. I have published several peer-reviewed journal articles and have extensive experience in teaching undergraduate computer science courses, curriculum development, academic research, and student supervision. I am committed to delivering high-quality education, conducting impactful research, and contributing to the advancement of artificial intelligence and data-driven technologies.

WORK EXPERIENCE

February 2014 – Present

Lecturer

Faculty of Information Technology, Al-Hussein Bin Talal University, Ma'an, Jordan.

Main activities and responsibilities:

- Teach undergraduate courses in Computer Science and Information Technology.
- Prepare course materials, examinations, assignments, and laboratory sessions.
- Supervise students' graduation projects and provide academic advising.
- Conduct scientific research and publish in peer-reviewed journals.
- Participate in curriculum development and quality assurance activities.
- Contribute to academic committees and departmental services.
- Utilize modern educational technologies and e-learning platforms in teaching.

June 2006 – February 2014

Business or sector: Higher Education.

Computer Laboratory Supervisor

Faculty of Information Technology, Al-Hussein Bin Talal University, Ma'an, Jordan.

Main activities and responsibilities:

- Supervised and managed computer laboratories.
- Installed, configured, and maintained computer hardware and software.
- Provided technical support for students and faculty members.
- Assisted in laboratory-based teaching and practical sessions.
- Managed laboratory networks and ensured the availability of computing resources.

February 2013 – June 2013

Business or sector: Higher Education.

Part-time Lecturer

Faculty of Information Technology, Al-Hussein Bin Talal University, Ma'an, Jordan.

Main activities and responsibilities:

- Taught the **C++ Programming** course (3 credit hours).
- Delivered lectures and laboratory sessions.
- Prepared examinations and assessed student performance.

Business or sector: Higher Education.

February 2006 – June 2006

Teacher

Qareen Secondary School, Ministry of Education, Ma'an, Jordan

Main activities and responsibilities:

- Teaching mathematics-related subjects.
- Prepared lesson plans and educational activities.
- Assessed students and maintained academic records. .

Business or sector: Secondary Education.

EDUCATION AND TRAINING

March 2019 – August 2024

PhD in Computer Science (Data Science & Artificial Intelligence)

Universiti Malaysia Terengganu (UMT), Terengganu, Malaysia.

Principal subjects / skills acquired:

- Data Science
- Artificial Intelligence
- Machine Learning
- Deep Learning
- Recommendation Systems
- Data Mining
- Big Data Analytics
- Scientific Research and Academic Publishing

September 2009 – August 2012

Master of Science (M.Sc.) in Computer Science

Al-Balqa Applied University, Salt, Jordan.

Principal subjects / skills acquired:

- Advanced Computer Science
- Software Engineering
- Database Systems
- Computer Networks
- Research Methodology

September 2002 – February 2006

Bachelor of Science (B.Sc.) in Computer Science

Al-Hussein Bin Talal University, Ma'an, Jordan.

Principal subjects / skills acquired:

- Programming
- Data Structures
- Database Systems
- Computer Networks
- Operating Systems
- Software Development

September 2001 – August 2002

General Secondary Education Certificate (Scientific Stream)

Ministry of Education, Jordan

PERSONAL SKILLS

Mother tongue(s)

Arabic

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Listening	Reading

English

B2

B2

B2

B2

B2

[Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user](#)
[Common European Framework of Reference for Languages](#)

Communication skills

- Excellent verbal and written communication skills developed through more than 12 years of university teaching.
- Strong presentation and public speaking skills.
- Effective academic advising and student mentoring.
- Excellent teamwork and interdisciplinary collaboration skills

Organisational / managerial skills

- Course planning and curriculum development.
- Classroom and laboratory management.
- Academic research planning and project coordination.
- Time management and prioritization.
- Decision-making and problem-solving.
- Ability to work effectively under pressure and meet deadlines.
- Team leadership and collaboration.

Job-related skills

- University teaching and assessment.
- Scientific research and academic publishing.
- Graduation project supervision.
- E-learning and Learning Management Systems (LMS).
- Curriculum development and quality assurance.
- Artificial Intelligence and Machine Learning applications.
- Data analysis and research methodology.

Digital Skills**Programming Languages**

- Python
- C++
- Visual Basic .NET
- ASP.NET
- SQL
- Prolog
- Assembly Language
- Turbo Pascal
- QBasic

Software & Development Tools

- Microsoft Office Suite
- Oracle Database (9i & 10g)
- Adobe Photoshop
- Adobe Illustrator
- CorelDRAW
- Dreamweaver
- Macromedia Flash
- Microsoft Publisher

Operating Systems

- Windows 11/10/8/7
- Windows XP
- Windows NT
- Windows 2000

Research & Educational Technologies

- Turnitin
- Mendeley Desktop
- Microsoft Teams

- Moodle / E-learning Platforms
- ChatGPT and AI-assisted educational tools

- Other skills**
- Academic writing and scientific publishing.
 - Data analysis and visualization.
 - Critical thinking and analytical problem-solving.
 - Continuous learning and professional development.

Driving licence B

ADDITIONAL INFORMATION

Certifications & Professional Training

Teaching, Academic Development & Quality Assurance

- Developing Faculty Members' Competencies (30 hours), Al-Hussein Bin Talal University.
- Foundations of Effective Teaching (10 hours), Al-Hussein Bin Talal University.
- Academic Quality Assurance Principles (4 hours), Al-Hussein Bin Talal University.
- Course File Preparation & Syllabus Planning (4 hours), Al-Hussein Bin Talal University.
- University Classroom Management & Modern Teaching Approaches (4 hours), Al-Hussein Bin Talal University.
- Qualification Classification in the National Qualifications Framework (4 hours), Al-Hussein Bin Talal University.
- Scientific Research Methods (14 hours), Al-Hussein Bin Talal University.
- Applying for European Projects (2 hours), Al-Hussein Bin Talal University.
- Regulations Governing Faculty Members (6 hours), Al-Hussein Bin Talal University.

Educational Technology

- E-Learning Platform Usage (6 hours), Al-Hussein Bin Talal University.
- Turnitin Plagiarism Detection Platform (4 hours), Al-Hussein Bin Talal University.
- Using ChatGPT in Academic Work (1 hour), Al-Hussein Bin Talal University.

Information Technology & Software Development

- PCEP™ – Certified Entry-Level Python Programmer (PCEP-30-02), Python Institute, Certified on 17 May 2026.
- International Computer Driving License (ICDL).
- Oracle Database 10g (92 hours), Earth Academy.
- Advanced Computer Maintenance (84 hours), Earth Academy.
- ASP.NET 2.0 Training using VB.NET (50 hours), Earth Academy.
- ASP.NET (36 hours), Al-Hussein Bin Talal University.
- Visual Basic .NET Windows Applications (36 hours), Earth Academy.
- Wireless Networks (36 hours), Al-Hussein Bin Talal University.
- UML (20 hours), Al-Hussein Bin Talal University.
- PIC Microcontroller Workshop, Al-Hussein Bin Talal University.
- IT Training & Culture Course (Photoshop & C++) (60 hours), Al-Hussein Bin Talal University.
- IT Training & Culture Course (Linux & Android) (88 hours), Al-Hussein Bin Talal University.
- Macromedia Flash (30 hours), Earth Academy.

Language Training

- Comprehensive English Course (Levels 3 & 4), Earth Academy.
- Jordanian National English Language Proficiency Test, Mutah University, Karak, Jordan (25 August 2012).

Memberships & Activities

- Member, Employees Club, Al-Hussein Bin Talal University, Jordan.
- Member, Bir Abu Dinnah Sports Club, Jordan.
- Participant, Lifetime Project, INJAZ Jordan (2005).

Research Interests

- Artificial Intelligence
- Data Science
- Machine Learning
- Deep Learning
- Recommendation Systems
- Data Mining
- Big Data Analytics
- Natural Language Processing
- Information Retrieval

Publications

- **Al Sbou, A. M. F.** (2018). A Survey of Arabic Text Classification Models. *International Journal of Electrical and Computer Engineering*, 8(6), 4352–4355. <https://doi.org/10.11591/ijece.v8i6.pp4352-4355>
- Salman, H. E., Hammad, M., Seriai, A. D., & **Al-Sbou, A.** (2018). Semantic Clustering of Functional Requirements Using Agglomerative Hierarchical Clustering. *Information*, 9(9). <https://doi.org/10.3390/info9090222>
- **Al-Sbou, A. M.**, & Abd Rahim, N. H. (2022). Performance Comparison of Three Different Types of Autoencoders Using Recommendation Systems. *Journal of Theoretical and Applied Information Technology*, 100(7), 1675–1683.
- **Al-Sbou, A. M.**, & Abd Rahim, N. H. A. (2023). An Improved Hybrid Semi-Stacked Autoencoder for Item Features of Recommendation Systems (iHSARS). *Indonesian Journal of Electrical Engineering and Computer Science*, 30(1), 481–490. <https://doi.org/10.11591/ijeecs.v30.i1.pp481-490>
- Alemami, Y. M., & **Al-Sbou, A. M.** (2025). Data Protection Methods in Contemporary Applications: A Comparative Analysis. *Journal of Computer Sciences and Informatics*, 2(3), 163–173.
- **Al-Sbou, A. M.**, & Awajan, I. (2026). Review on Recommendation Systems (RS). *IAENG International Journal of Computer Science*, 53(2), 663–677.
- Norabid, I. A., Jalil, M., Ali, R., & **Al-Sbou, A. M.** (2026). Unifying Modalities: A Comparative Analysis of Bilinear Pooling Fusion Techniques for Multimodal Fake News Detection. *Asia-Pacific Journal of Information Technology and Multimedia*, 15(1), 349–361. <https://doi.org/10.17576/apjitm-2026-1501-22>
- Al-talafheh, K., Aplop, F., Al-yousef, A., Obiedat, M., & **Al-Sbou, A. M.** (2026). A Predictive Model for Organizational Decision-Making Quality in Healthcare Organizations Using Big Data Analytics Capabilities. *International Journal of Computing and Digital Systems*, 19(1), 1–10. <https://doi.org/10.12785/ijcds/1571202852>

References

- **Dr. Mohammad Abu Helalah**
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