



جامعة عجلون الوطنية

Ajloun National University



AHMAD A. M. ABUSHARIAH



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PROFILE

Director of Artificial Intelligence and Data Science with a Ph.D. in Signal and Systems (in progress) and over a decade of experience in speech recognition, NLP, and applied AI. Proven leader in research and development across international tech companies and academia. Expert in building high-impact AI teams and deploying scalable AI solutions for consumer and enterprise platforms.

Personal Data

Date of birth:20/04/1986

Nationality: Jordanian

EDUCATION

- ◆ **PH.D** - Signal and Systems, University of Malaya, Malaysia (Expected 2026)
- ◆ **Master** – Communication and Computer Engineering/Artificial Intelligence , IIUM, Malaysia (2012)
Thesis: Bimodal Person Identification Based on Speech and Hand Signature Recognition
- ◆ **Bachelor** - Communication Engineering, IIUM, Malaysia (2009)

WORK EXPERIENCE

- Lecturer | Ajloun national university, faculty of information technology .(2025- until now)
- Director of AI and Data Science | Classera Middle East. (2021 – 2025)
- AI Educational Consultant | Classera Middle East. (2019 – 2021)
- SW Engineer Team Lead | Speech Recognition & NLP Samsung Electronics Levant Co. Ltd. (2014 – 2018)
- Research and Teaching Assistant | International Islamic University Malaysia. (2009 – 2012)



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SKILLS

- Expertise in Subject Matter
- Teaching and Instructional Skills
- Research Skills
- Critical Thinking and Problem-Solving.
- Communication Skills
- Mentoring and Advising
- Technological Proficiency.
- Commitment to Continuous Learning

Languages

Arabic
English.

PROFESSIONAL ACTIVITIES

- Directed end-to-end development of AI solutions for the EdTech industry at Classera, including adaptive learning, recommendation systems, and intelligent analytics dashboards.
- Built and led a multinational AI team from the ground up, hiring top talents in machine learning, NLP, and data science.
- Spearheaded the integration of open-source speech and language data into commercial products, optimizing model performance.
- Designed and supervised development pipelines for Arabic and English ASR/NLP systems deployed in real-world applications.
- Contributed to Samsung's voice AI stack, including Arabic and Persian speech models for Personal assistant and smart TV systems.
- Co-inventor on a Samsung speech processing patent, focused on voice control systems.
- Reviewer and contributor to internal research initiatives and product design at both Samsung R&D and Classera.
- Led collaborations with academic partners and interns to accelerate research into low-resource ASR and cross-lingual models.
- Delivered workshops on scalable AI infrastructure, voice technologies, and model deployment strategies.

TEACHING EXPERIENCE

1. Computer Skills
2. Introduction to Artificial Intelligence
3. Machine Learning & Deep Learning
4. Natural Language Processing
5. Speech Recognition & Text-to-Speech Systems
6. AI Applications in Education
7. AI Ethics and Societal Impact
8. IT Project Management
9. Electric Circuits
10. Signal & Systems
11. Entrepreneurship Innovation and Scientific Research



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Publications

● Patents:

1. Anas Toma, Ahmad Abu Shariah, and Hadi Jadallah, (2022). Electronic Device and Method of Operating The Same. Samsung Electronics Co Ltd, United States Patent Application 20180033438.

● Books:

1. A. A. M. Abushariah and T.S. Gunawan, (2011). Speech Recognition System Using Matlab Design, implementation, and samples codes. LAP LAMBERT Academic Publishing, Germany.

● Journals:

1. Abushariah, A. A., Abushariah, M. A., Gunawan, T. S., Chebil, J., Alqudah, A. A., Ting, H. N., & Mustafa, M. B. P. (2023). Fusion of Speech and Handwritten Signatures Biometrics for Person Identification. International Journal of Speech Technology, Vol. 26, No. 4, pp. 833-850.
2. Abushariah, A. A., Ting, H. N., Mustafa, M. B. P., Khairuddin, A. S. M., Abushariah, M. A., & Tan, T. P. (2022). Bilingual automatic speech recognition: A review, taxonomy and open challenges. IEEE Access, 11, pp. 5944-5954.
3. Mustafa, Mumtaz Begum, Mansoor Ali Yusoof, Hasan Kahtan Khalaf, Ahmad Abdel Rahman Mahmoud Abushariah, Miss Laiha Mat Kiah, Hua Nong Ting, and Saravanan Muthaiyah (2022). Code-switching in automatic speech recognition: The issues and future directions. Applied Sciences, 12(19), 9541.

● International Conferences:

1. A. A. M., Abushariah, T. S., Gunawan, J. Chebil, and M. A. M., Abushariah (2012). Voice Based Automatic Person Identification System Using Vector Quantization. IEEE Proceedings of the International Conference on Computer and Communication Engineering (ICCCE 2012), Kuala Lumpur, Malaysia, pp. 549 – 554.
2. A. A. M., Abushariah, T. S., Gunawan, J. Chebil, and M. A. M., Abushariah (2012). Automatic Person Identification System Using Handwritten Signatures. IEEE Proceedings of the International Conference on Computer and Communication Engineering (ICCCE 2012), Kuala Lumpur, Malaysia, pp. 560 – 565.
3. Ahmad A. M. Abushariah, Teddy S. Gunawan, Othman O. Khalifa, and Mohammad A. M. Abushariah (2010). English Digits Speech Recognition System Based on Hidden Markov Models. IEEE Proceedings of the International Conference on Computer and Communication Engineering (ICCCE 2010), 11 – 13 May 2010, Kuala Lumpur, Malaysia.

● Chapter In Book:

1. A. M. Abushariah, T.S. Gunawan, O.O. Khalifa, J. Chebil, "Signature recognition using artificial neural network," book chapter in Human Behavior Recognition, Identification, and Computer Interaction, Edited by O.O. Khalifa, IIUM Press, 2012 (ISBN: 978-967-418-156-7)
2. A. A. M. Abushariah, T.S. Gunawan, O. O. Khalifa, "English Digits Speech Recognition System Based on Hidden Markov Models," book chapter in Human Behaviour Recognition, Identification, and Computer Interaction, Edited by O.O. Khalifa, IIUM Press, 2012 (ISBN: 978-967-418-156-7)