

Ayham Alomari

Nationality: Jordanian

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A. Education

- **Ph.D.**, Computer Science (AI-NLP), Universiti Malaya (QS Ranking: 70), Malaysia, 2023
- **M.Sc.**, Computer Science, Yarmouk University, Jordan, 2010
- **B.Sc.**, Computer Science, Al Al-Bayt University, Jordan, 2007

B. Teaching

Teaching Experience

- Feb. 2023 – Present, Assistant Professor, Department of Computer Science, Faculty of Information Technology, Applied Science Private University, Amman, Jordan.
- Aug. 2011 – Jul. 2019, Lecturer, Deanship of Preparatory Year, Umm Al-Qura University, Makkah, Saudi Arabia.
- Sep. 2010 – Jul. 2011, Part-Time Lecturer, Department of Computer Science, Yarmouk University, Irbid, Jordan.
- Sep. 2010 – Jan. 2011, Part-Time Lecturer, Department of Computer Science, Al-Balqa Applied University, Irbid, Jordan.
- Sep. 2010 – Jul. 2011, Lecturer, Jordan College for Science and Technology.

Teaching Areas

Artificial Intelligence, Machine Learning, Deep Learning, Transfer Learning, NLP, Parallel Programming, Data Structures, Algorithms, Logic Design, Object-Oriented Programming, Java, Python, C++, C, Assembly, HTML, Database, Oracle etc.

C. Research Activities

Research Interests

Artificial intelligence, machine learning, natural language processing, text summarization, machine translation, sentiment analysis, deep learning, transfer learning, pretrained models, reinforcement learning, optimization algorithms, business intelligence.

Publications

- 1- Alomari, A., Idris, N., Sabri, A. Q. M., & Alsmadi, I. (2022). *Deep reinforcement and transfer learning for abstractive text summarization: A review*. *Computer Speech & Language*, 71, 101276.
- 2- Omary, A., Wedyan, A., Zghoul, A., Banihani, A., & Alsmadi, I. (2012, May). *An interactive predictive system for weather forecasting*. In 2012 International Conference on Computer, Information and Telecommunication Systems (CITS) (pp. 1-4). IEEE.

Accepted Papers

Alomari, A., Idris, N., Sabri, A. Q. M., & Alsmadi, I. (2023). *Improving Coverage and Novelty of Abstractive Text Summarization Using Transfer Learning and Divide and Conquer Approaches*. *Malaysian Journal of Computer Science*.

Submitted Papers

Alomari, A., Idris, N., Sabri, A. Q. M., & Alsmadi, I. *Improving Novelty of Abstractive Summarization via Warm-Starting*. (IEEE Access)

Title of PhD Thesis

Improving Novelty of Abstractive Text Summarization Using Deep Transfer Learning Approaches

D. Administrative Duties

- Head of the academic schedules unit: 2015 -2019, Umm Al-Qura University
- Member of the curriculum committee: 2016-2017, Umm Al-Qura University
- Member of the exam committee 2017-2019, Umm Al-Qura University

E. Language Skills

- English: Proficient (TOEFL-iBT: 81)
- Arabic: Native