



HEBA AL-JARRAH

جامعة عجلون الوطنية
Ajloun National University



Irbid, New Amman Transit
Station



h.jarrah@anu.edu.jo



+962796180816

PROFILE

Heba Al-Jarrah is a full lecturer in the Department of Computer Science at Ajloun National University (ANU). She received her M.Sc. degree in Computer Science with excellent in 2021 from JUST. She has six years of experience as a part-time instructor and has also worked as a research assistant. Her research interests lie in Machine Learning, Deep Learning, and Natural Language Processing (NLP).

Personal Data

Date of birth: 29/07/1996

Nationality: Jordanian

EDUCATION

- ◆ **Master** – Computer Science, Jordan University of Science and Technology (J.U.S.T), (2021).
- ◆ **Bachelor** - Computer Science, , Jordan University of Science and Technology (J.U.S.T), (2018).

WORK EXPERIENCE

1. March/2025 – present Full-Time Lecturer in the Computer Science Department at Ajloun National University (ANU).
2. March/2022 – 2025 Part Time Lecturer in the Computer Science Department at Jordan University of Science and Technology (J.U.S.T).
3. March/2025 – June/2025 Part Time Lecturer in the Computer Science Department at AlHussein Technical University (HTU).
4. September/2022 – January/2023 Computer lab supervisor and Lecturer in the Computer Science Department at Jordan University of Science and Technology (J.U.S.T).
5. September/2019 – January/2021 Teacher Assistant in the Computer Science Department at Jordan University of Science and Technology (J.U.S.T).
6. February/2019 – January/2023 Research Assistant in the Computer Science Department at Jordan University of Science and Technology (J.U.S.T).



HEBA AL-JARRAH

جامعة عجلون الوطنية
Ajloun National University



Irbid, New Amman Transit
Station



h.jarrah@anu.edu.jo



+962796180816

SKILLS

- Subject Matter Expertise
- Teaching and Instruction Proficiency
- Research Capabilities
- Effective Communication Arts
- Academic Mentoring Ability
- Technological Tool Mastery
- Keeping Pace with Ongoing Developments

Languages

Arabic, English.

TEACHING EXPERIENCE

1. Python programming language
2. Special topics (distributed systems)
3. The object-oriented programming
4. The data structure
5. The database management system
6. Object-Oriented using Java
7. Web application programming
8. C++ programming language.
9. Web Design.
10. Artificial intelligence programming

PROFESSIONAL ACTIVITIES

• Research and Academic Collaboration

Participated in collaborative research projects in Machine Learning, Deep Learning, Computer Vision, and Natural Language Processing.

Contributed to interdisciplinary research teams resulting in publications in international journals and conferences.

• Teaching and Curriculum Development

Prepared course materials, laboratory exercises, quizzes, and practical programming assignments.

Supervised programming laboratories for undergraduate students.

Assisted in updating practical course content.

• Student Mentoring

Guided undergraduate students in programming projects and problem-solving.

Provided academic advising during laboratory sessions.

• Research Assistant Activities

Conducted literature reviews.

Collected and analyzed research data.

Developed machine learning models.

Assisted in writing and publishing scientific papers.

• Conference Participation

Presented research at international conferences.

Participated in scientific workshops related to AI and NLP.



HEBA AL-JARRAH

جامعة عجلون الوطنية
Ajloun National University



Irbid, New Amman Transit
Station



h.jarrah@anu.edu.jo



+962796180816

Publications

1. Al-Jarrah, Heba, et al. "Using Deep Learning Techniques to Detect Hate and Abusive Language in Arabic Tweets." *International Journal of Intelligent Engineering & Systems* 17.5 (2024).
- 2- Bani Baker, Q., Hammad, M., Al-Smadi, M., Al-Jarrah, H., Al-Hamouri, R., & Al-Zboon, S. A. (2024). Enhanced COVID-19 Detection from X-ray Images with Convolutional Neural Network and Transfer Learning. *Journal of Imaging*, 10(10), 250. <https://doi.org/10.3390/jimaging10100250>
- 3- Bani Yassein, M., H. Al-Jarrah, and A. Alma'aitah. "Performance Evaluation of the Objective Functions for LowPower and Lossy Networks in the Light Density Network Used in Media Technology for the Internet of Things,(2020)." *International Journal on Communications Antenna and Propagation (IRECAP)* 10.6: 386-392.
- 4- Al-Jarrah, Heba, Rahaf Al-Hamouri, and AL-Smadi Mohammad. "HR@ JUST team at SemEval-2020 Task 4: The impact of RoBERTa transformer for evaluation common sense understanding." *Proceedings of the Fourteenth Workshop on Semantic Evaluation*. 2020
- 5- Al-hamouri, Rahaf, et al. "Measuring the impacts of virtualization on the performance of thread-based applications." *2020 Seventh International Conference on Software Defined Systems (SDS)*. IEEE, 2020.
- 6- Al-Jarrah, Heba, et al. "Resolving conflict of interests and recommending expert reviewers for academic publications using linked open data." *2019 Sixth International Conference on Social Networks Analysis, Management and Security (SNAMS)*. IEEE, 2019.
- 7- Sa'ad, A., et al. "Resolving conflict of interests in recommending reviewers for academic publications using link prediction techniques." *2019 2nd International Conference on new Trends in Computing Sciences (ICTCS)*.
- 8- Survey on Smart Web Crawler Algorithm Based on Semantic Search Engine.