

# Curriculum Vitae

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## Personal information:

- **Name:** Nisrean Jaber Ahmad Thalji.
- **Nationality:** Jordanian.
- **Marital status:** Married.
- **Place & date of Birth:** Anjarah \_ Jordan 14-11-1980.
- **Email Addresses:** [nnthalji1980@gmail.com](mailto:nnthalji1980@gmail.com); [n.thalji@jadara.edu.jo](mailto:n.thalji@jadara.edu.jo)
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## Educational information

- **(2016-2019):** Doctorate degree in Computer Science\ Artificial intelligent and Data Science: University Malaysia Perlis (UNIMAP), ([www.unimap.edu.my](http://www.unimap.edu.my)), Malaysia, Perlis. (Excellent degree).
- **(2009-2011):** Master Degree in Computer Science: Yarmouk University, ([www.yu.edu.jo](http://www.yu.edu.jo)), Jordan, Irbid, with excellent degree, I have gained the first rank among my colleagues. (Excellent degree).
- **(1998-2002):** Bachelor Degree in Computer Science: Yarmouk University ([www.yu.edu.jo](http://www.yu.edu.jo)), Jordan, Irbid, (very good degree).

## Work Experience information:

- **(2022-till now):** Assistance Professor- Jadara University, Irbid, Jordan.
- **(2019-2021):** Assistance Professor, Hail University, Hail, Saudi Arabia.
- **(2011-2017):** Lecturer, Hail University, Hail, Saudi Arabia.
- **(2002-2009):** Teacher assistant, Taif University, Taif, Saudi Arabia.

## Research Interests information:

Artificial Intelligence, machine learning, deep learning, Algorithm engineering, swarm intelligence, and Natural language processing.

## Skills information:

- Programming skills in Java, Visual Basic, C++, Pascal, Python, Scratch, CLIPS, LISP, Prolog and MATLAB, PHP, C#.
- SPSS.
- HTML, XML, CSS, SQL.
- Very-well Knowledge in UML related applications especially in Rational Rose.
- Ability to develop a well-designed project using software engineering in systematic process.
- Very good skills in JADE (Java Agent Development Framework).

## Published Researches information:

1. Thalji N., (2023). A Survey of Arabic Root Extraction Algorithms, *Iraqi Journal of Science*, Accepted.
2. N. Thalji, A. Raza, M. S. Islam, N. A. Samee and M. M. Jamjoom, (2023). "AE-Net: Novel Autoencoder-Based Deep Features for SQL Injection Attack Detection," in *IEEE Access*, vol. 11, pp. 135507-135516, doi: 10.1109/ACCESS.2023.3337645.[link](#)
3. Thalji N., Aljarrah E., Rateb R., Al-Shorman A., (2023). New Arabic Root Extraction Algorithm. *International Journal of Advanced Computer Science and Applications*, 14(5). [Link](#)
4. Muhammed N., Amir A., Abbas J., Ahmad B., Hussien Q., Thalji N., Arrfou H., Abdulhassan M., Salih M. and Matem R., (2023). A Review on Implementation of AES Algorithm Using Parallelized Architecture on FPGA Platform, "2023 IEEE International Conference on Advanced Systems and Emergent Technologies, Hammamet, Tunisia, 2023, pp. 1-6, DOI: [10.1109/IC\\_ASET58101.2023.10150938](#)
5. Thalji, Z. And Thalji, N. (2020). Compression of Color Images Using Hybrid Algorithms Using Joint Photographic Experts Group, In *Middle-East Conference on Contemporary Sciences IV*, Pp. 212–229. [LINK](#)
6. Thalji, N., Hanin, N. A., Bani Hani, W., Al-Hakeem, S., & Thalji, Z. (2018). A Novel rule-based root extraction algorithm for Arabic language. *International Journal of Advanced Computer Science and Applications*, 9(10), 120-128. DOI: [10.14569/IJACSA.2018.091015](#)
7. Thalji, N., Hanin, N. A., Al-Hakeem, S., & Thalji, Z. (2018). Enhancing the accuracy of Sonbol's Arabic root extraction algorithm. *Jordanian Journal of Computers and Information Technology*, 4 (3), 159-174. [LINK](#)

8. **Thalji, N., Hanin, N. A., Thalji, Z., Bani Hani, W., & Al-Hakeem, S. (2018).** Towards improving rule-based Arabic root extraction algorithm for non-vocalized text. *International Journal of Computer and Information Technology*, 7(6), 235-242. [LINK](#)
9. **Thalji, N., Hanin, N. A., Yacob, Y., & Al-Hakeem, S. (2017).** Corpus for test, compare and enhance Arabic root extraction algorithms. *International Journal of Advanced Computer Science and Applications*, 8(5), 229-236. [DOI: 10.14569/IJACSA.2017.080529](https://doi.org/10.14569/IJACSA.2017.080529)
10. **Alhakeem, S., Thalji, N. J. (2016).** Developing an effective light stemmer for Arabic language information retrieval. *International Journal of Computer and Information Technology*, 5(1), 55-59. [LINK](#)

## Teaching Experience:

Taught the following courses: -

1. Design and Analysis of Algorithms.
2. Computer Networks.
3. Introduction to a typical object-oriented programming language (JAVA1).
4. Advanced object-oriented programming (JAVA2).
5. Introduction to a typical object-oriented programming language (C#).
6. Advanced object-oriented programming (C#).
7. Software Engineering.
8. Artificial intelligence.
9. Database Applications.
10. Operating Systems.
11. Computer Organization & Assembly Programming.
12. Fundamentals of Programming Languages.
13. Introduction to Computer and Programming.
14. Web Applications development.
15. Visual Programming.
16. Computer and Information.
17. Senior project.
18. Introduction to computer science.
19. Computer Skills.
20. Digital logic and design.

## References information:

- Qasem A. Al-Radiadeh (PhD)Qasem. Professor. Data Science and Artificial Intelligence. Department of Information Systems. Faculty of Information Technology and Computer Sciences.Yarmouk University. Irbid, Jordan. Email: [qgradaideh@yahoo.com](mailto:qgradaideh@yahoo.com). [qasemr@yu.edu.jo](mailto:qasemr@yu.edu.jo) (official) [qgradaideh@gmail.com](mailto:qgradaideh@gmail.com) Office Location : Makdisi Bldg (408) Tel : 7211111 ext 2526.
- Prof. Dr. Emad Al-Shawakfa. Associate Professor in Arabic Language Computing at the Computer Information Systems Department, Faculty of IT, Yarmouk University. Magdesy Bldg, Room 409 Phone: +962-2-721-1111 Ext. 2334 Fax: +962-2-721-1128. E-mail: [shawakfa@yu.edu.jo](mailto:shawakfa@yu.edu.jo).
- Faisal Alkhateeb. Full Professor. Computer Science Department. Chairman of Management Information Systems Department. Faculty of Information Technology and Computer Sciences. Yarmouk University Postal Code 211-63, Jordan. Office: Khz 203 Tel: +96227211111 (Ext. 2464). E-mail: [alkhateebf@yu.edu.jo](mailto:alkhateebf@yu.edu.jo) .
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- Mohammad Subhi Mohammad Al-Batah. Full Professor. Head of Artificial intelligence and Robotics department. Faculty of Information Technology and Sciences. Jadara University. E-mail: [albatah@jadara.edu.jo](mailto:albatah@jadara.edu.jo).