

## Nesreen M. Yasin

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### Research Interests:

• Artificial Intelligence • Information Retrieval and knowledge representation • Neural Network • Natural Language Processing • Logic. • Security and deep learning : Fingerprint Classification using mathematical model and neural network deep learning

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### Education

1. **Ph.D in Computer Science** - New Mexico State University - USA, May, 2018.  
GPA: 3.957 out of 4.  
With dissertation title: Ontology Deep learning Graph to Extract Knowledge Representation of Automatic Text Summarization. One chapter for python functions that describe the multiprocessing task for calculating Tree Edit Distance and building a dependency tree.
  2. **Master in Computer Science** - Yarmouk University - Jordan, 2012.  
GPA: 85.8 %.
  3. **Bachelor in Computer Science** -Yarmouk University - Jordan, 2010.  
GPA: 90.3 % **with first honour among 130 students.**
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### Experiences

1. 2019 - present, Assistant professor at WISE University - Jordan, I have taught:
    - Artificial Intelligence • Security Cloud Computing • Introduction to Java
    - Advance Java • Logic. • Discrete math • Operating System • Object Oriented
    - Information Retrieval
  2. 2018-2019, Assistant professor at Isra University - Jordan, I have taught:
    - Artificial Intelligent •Java-Advance • Introduction to Java •Algorithm
    - Logic
  3. 2014 - 2018. Graduate Assistant at New Mexico State University, I have taught:
    - Discrete math • Operating System •introduction to computer.
  4. 2010 - 2012. Graduate Assistant at Yarmouk University, I have taught:
    - C++.
  5. I can teach: machine learning, deep learning, Natural Language processing, Information Retrieval, Data mining, and Big data.
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### Publications and Conferences

1. Nesreen Alsharman , Inna V.Pivkina, Raja M.T Masadeh,Omar Almomani ,Nabeel Bani-Hani. High Performance Computing of Building the Dependency Trees and Calculating Tree Edit Distances for Text Similarity. International Journal of Advanceds in Soft Comouting and its Applications (IJASCA). volume. 15, Issues 1(March 2023)
2. **Nesreen Alsharman**, Adeeb Saaidah, Omar Almomani, Ibrahim Jawarneh, Laila Al-Qaisi. Pattern Mathematical Model for Fingerprint Security Using Bifurcations Minutiae-Extraction and Neural Network Feature Selection. Security and Communication Networks, 2022(1), 1-16. ISI, Scopus, Q2.
3. Ibrahim Jawarneh and **Nesreen Alsharman**, The Classification of Arch Fingerprint Using Mathematical Model and Deep Learning Features Selection ,International Journal of Mathematics and Computer Science, 17(2022), no. 1, 289-307. ISI, Scopus, Q2.

4. Ibrahim Jawarneh and **Nesreen Alsharman**, The Mathematical Model and Deep Learning Features Selection for Whorl Fingerprint Classifications, March 2021. *International Journal of Computational Intelligence Systems* 14(1). ISI, Scopus, Q1
  5. Effect of Threat Control Management Strategies on Number Infected by COVID-19, Chapter Book. Ahmad Sharieh, Ruba Abu Khurmah, Raja Masadeh, Abdullah Zaqebah, and **Nesreen Alsharman**, Farah Sharieh. *The Effect of Coronavirus Disease (COVID-19) on Business Intelligence. Studies in Systems, Decision and Control*, vol 334. Springer.
  6. Task Scheduling on Cloud Computing based on Sea Lion Optimization Algorithm. Raja Masadeh, **Nesreen Alsharman** Sharieh Ahmad, Basel Mahafzah, , *International Journal of Web Information Systems*, Vol. 17 No. 2, pp. 99-116. <https://doi.org/10.1108/IJWIS-11-2020-0071>, ISI, Scopus, Q3.
  7. GoogleNet CNN Neural Network towards Chest CT-Coronavirus Medical Image Classification. **Nesreen ALsharman**, Ibrahim Jawarneh. *Journal of Computer Science(Scopus Indexed)*, vol.16: 620-625, 2020, Scopus, Q4.
  8. Machine Learning and Answer Set Program Rules towards Traffic Light Management. **Nesreen Alsharman**, Faisal Alzyoud, Adeeb Saaidah, Omar Almomani. *International Journal of Advanced Trends in Computer Science and Engineering*, 9(3) (Scopus Indexed) , May – June 2020, 2535, Vol. 9 No.3, May - June 2020 Issue, Scopus, Q4.
  9. ANSWER SET PROGRAM AND STANFORD DEPENDENCY PARSER TOWARD TRANSLATE TEXT TO KNOWLEDGE REPRESENTATION. FAISAL Y. ALZYOUD, NESREEN ALSHARMAN, JATIT, Vol 99 January 2021 Issue 01, Scopus, Q4.
  10. Best Practice Fundamentals in Smart Grids For a Modern Energy System Development in Jordan. Anwar AL Mofleh, Faisal Y. Alzyoud, and **NesreenAlsharman**. Ninth International Conference on Advances in Computing, Communication and Information Technology CCIT - 2019. Pages 80-86.
  11. Unsupervised Summarization via Cliques Algorithm. **Nesreen Alsharman**, Inna pivkina. Under review *EngReports-wiley journal* (ENG-2020-01-0120).
  12. Generating Summaries via Unigram-Bigram Extraction, **Nesreen Mohammad Alsharman**, and Inna V. Pivkina, *The International Journal of Information Technology and Web Engineering* (Scopus Indexed), vol. 15: 64-74, 2019.
  13. A Comprehensive Survey on Node Metrics of RPL Protocol for IoT, Modern Applied Science, Adeeb Saaidah, Omar Almomani, Laila Al-Qaisi, **Nesreen Alsharman** , and Faisal Alzyoud, *Modern Applied Science*,vol. 13, No. 12; 2019.
  14. Generating Summaries through Selective Part of Speech Tagging, **Nesreen Alsharman**, and Inna V. Pivkina, *Proceedings of the Fourth International Conference on Engineering and MIS*, 2018.
  15. Automatic Text Summarization, **Nesreen Alsharman**, New Mexico State University. 2018.
  16. Keyphrase Extraction for Automatic Summarization, **Nesreen Alsharman**, and Inna Pivkina, April 2017, UTEP-NMSU workshop.
  17. Generating Summaries through Multi-Words Extraction, **Nesreen Alsharman**, and Inna Pivkina, 2017, *International Conference on Science and Technology-New Perspectives and Challenges*.
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## **HONORS AND AWARDS**

- Scholarship from Yarmouk University to study Master in computer science at Yarmouk University. August 2010.
  - Scholarship from NMSU-USA to study PhD in computer science at NMSU-USA. August 2014.
  - NMSU Golden Key Society.
  - Ranked first in my High school, Inba Secondary School, Jordan, 2005.
  - Granted first Honour in B.S., Computer Science-Yarmouk University among 130 students.
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## **Projects**

- High Performance Computing of Building the dependency trees and calculating tree edit distances for Text Similarity.
- Knowledge based Graph Representation with Answer Set Programming for Wino-grad Schema Challenge Solution (WSC)

## **PERSONAL SKILLS AND COMPETENCES**

- Communication skills, team work and ability to work under pressure for long hours. I have the potential of learning new programming languages and technologies. I have the spirit of proficiency and creativity. Fast learner, enthusiastic, dedicated, organized, clear and logical thinker, motivated, reliable. Ability to work as programming Languages Instructor and applications trainer.
  - LANGUAGES: Arabic and English (Fluent).
  - Very good programming skills ( Java, C++, Python, Answer Set Program).
  - Use both Linux (UNIX) and windows environment professionally.
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Thank You