



Name: Eman Alnagi

Bio:

Eman Alnagi is a Ph.D. candidate in the Computer Science Department at Princess Sumaya University for Technology (PSUT) in Jordan. She started her Ph.D. study in 2021. She has graduated from Yarmouk University with a B.Sc. in Computer Science, from the University of Sunderland with a M.Sc. in Information Technology Management, and also from PSUT with a M.Sc. in Computer Science. She has started her career as a software engineer and then as a development team leader in computer companies in Jordan, and lasted for 6 years. She has 11 years of experience as a university lecturer at Philadelphia University in Jordan. Her research interests are mainly in natural language processing, cryptography, digital image processing, and artificial intelligence.

Published papers:

Alnagi, E., Ghnemat, R. & Abu Al-Haija, Q. Boosting Arabic text classification using hybrid deep learning approach. *Discover Applied Sciences* 7, 540 (2025).

Alnagi, E., Saif, A., & Ahmad, A. (2025, March). A CNN-Based Model for Classifying Arabic Calligraphy Extracted from Images. In *Future of Information and Communication Conference* (pp. 376-386). Cham: Springer Nature Switzerland.

Amal Saif, **Eman Alnagi**, and Ashraf Ahmad. "Texture-Based Classification of Geo-Fossils." International Conference on Information Integration and Web Intelligence. Springer, Cham, 2025.

Alnagi, E., & Azzeh, M. (2024, August). Just-in-Time Software Defect Prediction Techniques: A Survey. In *2024 15th International Conference on Information and Communication Systems (ICICS)* (pp. 1-6). IEEE.

Alsman, Y., Khalil, A., Younis, R., **Alnagi, E.**, Al-Saraireh, J., & Ghnem, R. (2024). DDOS ATTACK-DETECTION APPROACH BASED ON ENSEMBLE MODELS USING SPARK. Jordanian Journal of Computers and Information Technology (JJCIT), 10(02).

Eman Alnagi, Ashraf Ahmad, Qasem Abu Al-Haija and Abdullah Aref, "Unmasking Fake Social Network Accounts with Explainable Intelligence" International Journal of Advanced Computer Science and Applications(IJACSA), 15(3), 2024. <http://dx.doi.org/10.14569/IJACSA.2024.01503125>.

Ahmad, A., Azzeh, M., **Alnagi, E.**, Al-Haija, Q. A., Halabi, D., Aref, A., and AbuHour, Y. "Hate Speech Detection in the Arabic Language: Corpus Design, Construction and Evaluation. ", Frontiers in Artificial Intelligence 7 (2024).

Younis, R., Alsman, Y., **Alnagi, E.**, & Azzeh, M. (2023, May). An Empirical Study of Intrusion Detection by Combining Clustering and Classification Methods. In International Conference on Information, Communication and Computing Technology (pp. 29-45). Cham: Springer Nature Switzerland.

Y Alsman, **E Alnagi**, A Ahmad, Y AbuHour, R Younis, Q Abu Al-haija, "Hybrid Encryption Scheme for Medical Imaging Using AutoEncoder and Advanced Encryption Standard", Electronics 11 (23), 3967, 2022.

A Ahmad, Y AbuHour, R Younis, Y Alsman, **E Alnagi**, Q Abu Al-Haija, "MID-Crypt: A Cryptographic Algorithm for Advanced Medical Images Protection", Journal of Sensor and Actuator Networks 11 (2), 24, 2022.

E. Al Nagi and N. Al-Madi, "Predicting Students Performance in Online Courses using Classification Techniques" 2020 The International Conference on Intelligent Data Science Technologies and Applications (IDSTA2020), Online Presentations were held on October 19th – 22nd, 2020.

A. Al-Qerem and **E. Al Nagi**, "Privacy Preserving of Shared Data in Deep Learning," 2019 International Arab Conference on Information Technology (ACIT), Al Ain, United Arab Emirates, 2019, pp. 230-234.

Als Salman, Y.S., Halemah, N.K.A., **AlNagi, E.S.** and Salameh, W. "Using Decision Tree and Artificial Neural Network to Predict Students Academic Performance." 2019 10th International Conference on Information and Communication Systems (ICICS). IEEE, 2019.

Shkoukani, M., **E. Alnagi**, and R. Abulail. "Comparison between Upstream and Downstream Supply Chain Management and How they are affected by E-business." Oriental Journal of Computer Science and Technology 6.2 (2013): 1-8.

Al-Radaideh, Qasem A., Adel Abu Assaf, and **Eman Alnagi**. "Predicting stock prices using data mining techniques." the international Arab conference on information technology (acit'2013). 2013.

Al-Radaideh, Qasem A., and **Eman Al Nagi**. "Using data mining techniques to build a classification model for predicting employees performance." International Journal of Advanced Computer Science and Applications 3.2 (2012).

Al Nagi, Eman, and Mohammad Hamdan. "Computerization and e-Government implementation in Jordan: Challenges, obstacles and successes." Government Information Quarterly 26.4 (2009): 577-583.

Accepted, not yet published papers:

Alnagi, E., Saif, A., & Ahmad, A. (2025). A Comparative Study to Evaluate the Performance of Selective Models in Software Vulnerability Detection. In *the 4th International Conference on Advanced Enterprise Information System*.

Submitted papers:

Paper Title	Authors	Venue
A Novel Medical Images Random Cryptosystem: Algorithm and Mode of Operation	Eman Alnagi, Amal Saif, Ashraf Ahmad	Journal

An Explained Machine Learning Model for Analyzing Electric Vehicle Cyber Attacks	Amal Saif, Eman Alnagi, Ashraf Ahmad	Journal
Detecting Emotions based on Functional Magnetic Resonance Imaging	Amal Saif, Eman Alnagi, Ashraf Ahmad	Journal

Research Interests:

Natural Language Processing
 Cryptography
 Artificial Intelligence
 Cyber security
 Digital Image Processing

Paper Reviews:

Venue Type	Venue Title	#papers
Conference	ICICS2024	2
Conference	ICTCS2025	1
Conference	ISSATK2024	1
Journal	Journal of Software: Evolution and Process	3
Journal	Journal of Advances in Information Technology	1

Research Groups:

- Security and Digital Image Processing Group (Dr. Ashraf, Eman and Amal)
- CyberHubJo (Initiated by PhD students in PSUT)

Other Activities:

- Volunteering in AI Ability as a speaker (2023)
- Volunteering in the Organization Committee in ICTCS2025

Important Links:

LinkedIn: <https://www.linkedin.com/in/eman-alnagi/>

Google Scholar: <https://scholar.google.com/citations?user=4xD9oKgAAAAJ&hl=en>

Research Gate: <https://www.researchgate.net/profile/Eman-Alnagi>