



Name: Remah Younisse

Bio:

Remah is a dedicated Ph.D. candidate and experienced computer science and engineering professional seeking to leverage extensive background in computer security, digital logic, and embedded systems and FPGAs. Aims to contribute to innovative projects and research in a challenging environment, utilizing strong programming skills and a passion for technological advancements.

Education:

Ph.D. candidate in Computer Science (Candidate), Princess Sumaya University for Technology (PSUT), Amman, Jordan. Since September 2021.

M.Sc. in Electrical Engineering, Princess Sumaya University for Technology (PSUT), Amman, Jordan. 2019 - Excellent GPA.

B.Sc. in Computer Engineering, Jordan University of Science and Technology, Irbid, Jordan. 2010 - Very Good GPA.

Published papers:

- Younisse, Remah, and Mouhammd AlKasassbeh. "Evaluating Deep Learning for Detecting Data Integrity Attacks in Energy Smart Grids." 2025 International Conference on New Trends in Computing Sciences (ICTCS). IEEE, 2025.
- Younisse, Remah, and Mouhammd AlKasassbeh. "SGID: A semi-synthetic dataset for injection attacks in smart grid systems." *2024 15th International Conference on Information and Communication Systems (ICICS)*. IEEE, 2024.

- Alslman, Yasmeeen, et al. "DDOS ATTACK-DETECTION APPROACH BASED ON ENSEMBLE MODELS USING SPARK." *Jordanian Journal of Computers & Information Technology* 10.2 (2024).
- "Ahmad, Ashraf, et al. "MID-Crypt: a cryptographic algorithm for advanced medical images protection." *Journal of Sensor and Actuator Networks* 11.2 (2022): 24.
- "Al-Mousa, Amjed, et al. "UTSim: A framework and simulator for UAV air traffic integration, control, and communication." *International Journal of Advanced Robotic Systems* 16.5 (2019): 1729881419870937.
- "Younisse, Remah, Ashraf Ahmad, and Qasem Abu Al-Haija. "Explaining intrusion detection-based convolutional neural networks using shapley additive explanations (shap)." *Big Data and Cognitive Computing* 6.4 (2022): 126.
- "Alslman, Yasmeeen, et al. "Hybrid encryption scheme for medical imaging using autoencoder and advanced encryption standard." *Electronics* 11.23 (2022): 3967.
- "Younisse, Remah, et al. "An early detection model for kerberoasting attacks and dataset labeling." *Jordanian Journal of Computers and Information Technology* 9.1 (2023).
- "Al-Sawwa, Jamil, et al. "Spark-based multi-verse optimizer as wrapper features selection algorithm for phishing attack challenge." *Cluster Computing* 27.5 (2024): 5799-5814..
- "Younisse, Remah, and Mohammad Azzeh. "Application of Natural Language Processing Techniques in Agile Software Project Management: A Survey." *2023 14th International Conference on Information and Communication Systems (ICICS)*. IEEE, 2023."Fine-tuning U-net for medical image segmentation based on activation function, optimizer, and pooling layer."
- "Younisse, Remah, and Qasem Abu Al-Haija. "An empirical study on utilizing online k-means clustering for intrusion detection purposes." *2023 International Conference on Smart Applications, Communications and Networking (SmartNets)*. IEEE, 2023.
- "Younisse, Remah, et al. "An Empirical Study of Intrusion Detection by Combining Clustering and Classification Methods." *International Conference on Information, Communication and Computing Technology*. Cham: Springer Nature Switzerland, 2023.
- "Khalil, Ashwaq, et al. "Homomorphic Encryption Schemes Using Nested Matrices." *International Conference on Information, Communication and Computing Technology*. Cham: Springer Nature Switzerland, 2023.
- Sababha, Belal H., et al. "Sampling-based unmanned aerial vehicle air traffic integration, path planning, and collision avoidance." *International Journal of Advanced Robotic Systems* 19.2 (2022): 17298806221086431.

Research Interestst:

Smart Grid systems

Cryptography

Artificial Intelligence

Cyber security

Digital Image Processing

Research Groups:

a. Designing an FPGA-based pipelined AES encryption scheme. With Dr. Awos Kanaan, Eng. Hazem Marar and JODB.