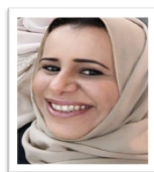


Academic Resume



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Highest Degree.

2020, PhD, Networks Security, King Abdulaziz University, Saudi Arabia.

Academic and Professional Experiences.

1. **2021 - Present**
Assistant Professor, College of Computing and Information Technology, KAU, Jeddah, Saudi Arabia, , .
2. **2016 - 2021**
Lecturer, College of Computing and Information Technology, KAU, Jeddah, Saudi Arabia, , .
3. **2007 - 2016**
Head of the Electronic Testing Unit at the Deanship of E-Learning and Distance Education, KAU, Jeddah, Saudi Arabia, , .
4. **2005 - 2007**
Lecture, University of Sana'a, Jeddah, Saudi Arabia, , .
5. **2003 - 2005**
Head of IT Department, , .
6. **1996 - 2002**
Department of Educational Development, Jeddah, General Presidency for Al-Banna Education, Jeddah, Saudi Arabia.

Research Interests.

Cryptography, Security, Artificial Intelligent (AI), Internet of Things (IoT), Cyber Security, Networking.

Teaching Interests.

Cyber Security, Networking, Cryptography, Network security, Programming Language.

Certifications and Trainings.

1. The use of E-exam.
2. CV design using "ChatBot" technology.
3. The Virtual Forum, The Future of E-Learning (Vision and Roadmap).
4. The Second Conference on E-Learning and Distance Education - Riyadh - Saudi Arabia.
5. The Twelfth Scientific Conference of the Egyptian Society for Curricula and Teaching Methods - Ain Shams University - Cairo - Arab Republic of Egypt.

Social, Scientific and Professional Affiliation.

1. 2018-Present, Doctor, King Abdullaziz University.

Publications.

1. Nazik Alturki, Raed Alharthi, Muhammad Umer, Oumaima Saidani, Amal Alshardan, Reemah M. Alhebshi, Shtwai Alsubai, Ali Kashif Bashir, "Efficient And Secure Iot Based Smart Home Automation Using Multi-Model Learning And Blockchain Technology", *Computer Modeling In Engineering & Sciences*, vol: 139, pp. 3387-3415, 2024.
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2. Lamia Alhoraibi, Daniyal Alghazzawi, Reemah Alhebshi, Liqaa F. Nawaf, Fiona Carroll, Jung-Chieh Chen, "Enhancing Industrial Wireless Communication Security Using Deep Learning Architecture-Based Channel Frequency Response", *Iet Signal Processing*, vol: 2024, pp. 1-13, 2024.
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3. Lamia Alhoraibi, Daniyal Alghazzawi, Reemah Alhebshi, "Generative Adversarial Network-Based Data Augmentation For Enhancing Wireless Physical Layer Authentication", *Sensors*, vol: 24, pp. 641, 2024.
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4. Muhammad Umer, Saima Sadiq, Reemah M. Alhebshi, Maha Farouk Sabir, Shtwai Alsubai, Abdullah Al Hejaili, Mashael M. Khayyat, Ala' Abdulmajid Eshmawi, Abdullah Mohamed, "Iot Based Smart Home Automation Using Blockchain And Deep Learning Models", *Peerj Computer Science*, vol: 9, pp. e1332, 2023.
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5. Muhammad Umer, Saima Sadiq, Reemah M. Alhebshi, Shtwai Alsubai, Abdullah Al Hejaili, Ala' Abdulmajid Eshmawi, Michele Nappi, Imran Ashraf, "Face Mask Detection Using Deep Convolutional Neural Network And Multi-Stage Image Processing", *Image And Vision Computing*, vol: 133, pp. 104657, 2023.
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6. Hanen Karamti, Raed Alharthi, Amira Al Anizi, Reemah M. Alhebshi, Ala' Abdulmajid Eshmawi, Shtwai Alsubai, Muhammad Umer, "Improving Prediction Of Cervical Cancer Using Knn Imputed Smote Features And Multi-Model Ensemble Learning Approach", *Cancers*, vol: 15, pp. 4412, 2023.
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7. Reemah M. Alhebshi, Nauman Ahmed, Dumitru Baleanu, Umbreen Fatima, Fazal Dayan, Muhammad Rafiq, Ali Raza, Muhammad Ozair Ahmad, Emad E. Mahmoud, "Modeling Of Computer Virus Propagation With Fuzzy Parameters", *Computers, Materials & Continua*, vol: 74, pp. 5663-5678, 2023.
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8. Lamia Alhoraibi, Daniyal Alghazzawi, Reemah Alhebshi, Osama Bassam J. Rabie, "Physical Layer Authentication In Wireless Networks-Based Machine Learning Approaches", *Sensors*, vol: 23, pp. 1814, 2023.
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9. Muhammad Umer, Saima Sadiq, Hanen Karamti, Reemah M. Alhebshi, Khaled Alnowaiser, Ala' Abdulmajid Eshmawi, Houbing Song, Imran Ashraf, "Deep Learning-Based Intrusion Detection Methods In Cyber-Physical Systems: Challenges And Future Trends", *Electronics*, vol: 11, pp. 3326, 2022.
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10. Laila Nassef, Reemah Alhebshi, "Fuzzy-Based Reliable And Secure Cooperative Spectrum Sensing For The Smart Grid", *International Journal Of Advanced And Applied Sciences*, vol: 8, pp. 92-100, 2021.
DOI: [10.21833/ijaas.2021.02.013](https://doi.org/10.21833/ijaas.2021.02.013)
11. Laila Nassef, Reemah Al-Hebshi, "Fuzzy Based Reliable Cooperative Spectrum Sensing For Smart Grid Environment", *International Journal Of Advanced Computer Science And Applications*, vol: 11, 2020.
DOI: [10.14569/IJACSA.2020.0110822](https://doi.org/10.14569/IJACSA.2020.0110822)
12. Laila Nassef, Reemah Alhebshi, Linta Jose, "Evaluating Performance Of Wireless Sensor Network In Realistic Smart Grid Environment", *International Journal Of Wireless & Mobile Networks*, 2018.

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13. Laila Nassef, Reemah Alhebshi, Linta Jose, "Clustering-Based Routing For Wireless Sensor Networks In Smart Grid Environment", International Journal Of Advanced Smart Sensor Network Systems, 2018.
14. Laila Nassef, Reemah Alhebshi, "Energy Efficient Fuzzy Based Clustering For Cognitive Radio Wireless Sensor Networks", International Journal Of Electrical And Computer Sciences, 2018.
15. Laila Nassef, Reemah El-Habshi, Linta Jose, "Clustering Based Routing For Wireless Sensor Networks In Smart Grid Environment", International Journal Of Advanced Smart Sensor Network Systems, vol: 8, pp. 01-14, 2018.
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16. Laila Nassef, Remah Elhebshi, Linta Jose, "Evaluating Performance Of Wireless Sensor Network In Realistic Smart Grid Environment", International Journal Of Wireless Mobile Networks, vol: 10, pp. 27-36, 2018.
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18. Reemah Alhebshi, Jonathan Cazalas, "Improving The Similarity For Privacy In Location-Based Service", International Journal Of Computer And Information Technology, 2014.