

Academic Resume



Rayan Alsemmeari

Assistant Professor, Information Technology Department

Rayan A. Alsemmeari

Contact Information.

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Highest Degree.

2023, Ph.D, Computer Science, King Abdulaziz University, Saudi Arabia.

Academic and Professional Experiences.

1. **2008 - Present**
Faculty Member- Faculty of Computing and Information Technology King Abdulaziz University, Jeddah, , .
2. **2007 - 2009**
Programmer Americana Company, Jeddah, , .

Research Interests.

IoMT, Fog Computing, Data science.

Teaching Interests.

Database Systems, Computer Network.

Certifications and Trainings.

1. CCNA1.

Social, Scientific and Professional Affiliation.

1. 2012-2012, Joined the Golden Key International Honor Society, USA for academic excellence in my studies for the master degree., Golden Key International Honor Society.

Excellence Awards and Patents.

1. 2016, Interior, Academic Excellence Award, FC.

Publications.

1. Rayan A. Alsemmeari, Mohamed Yehia Dahab, Badraddin Alturki, Abdulaziz A. Alsulami, "Priority Detector And Classifier Techniques Based On Ml For The Iomt", Computers, Materials & Continua, vol: 76, pp. 1853-1870, 2023.
DOI: [10.32604/cmc.2023.038589](https://doi.org/10.32604/cmc.2023.038589)
2. Rayan A. Alsemmeari, Mohamed Yehia Dahab, Badraddin Alturki, Abdulaziz A. Alsulami, Raed Alsini, "Towards An Effective Service Allocation In Fog Computing", Sensors, vol: 23, pp. 7327, 2023.
DOI: [10.3390/s23177327](https://doi.org/10.3390/s23177327)
3. Rayan A. Alsemmeari, Mohamed Yehia Dahab, Abdulaziz A. Alsulami, Badraddin Alturki, Sultan Algarni, "Resilient Security Framework Using Tnn And Blockchain For Iomt", Electronics, vol: 12, pp. 2252, 2023.
DOI: [10.3390/electronics12102252](https://doi.org/10.3390/electronics12102252)
4. ZHIYOU WANG, YING CHEN, RAYANATTEAH ALSEMMEARI, YUAN ZHOU, "Design Of Dynamic Nonlinear Intelligent Control System For Signal Processing", Fractals, vol: 30, 2022.
DOI: [10.1142/S0218348X22400916](https://doi.org/10.1142/S0218348X22400916)
5. Rayan Alsemmeari, "A Survey For The Techniques And Approaches Used For Internet Of Medical Things (Iomt):Challenges, Issues, And Research Directions..", 12, 2021.
6. Shibin Zhang, Rayan Atteah Alsemmeari, Taorui Tian, "Industrial Transfer And Regional Economy Coordination Based On Multiple Regression Model", Applied Mathematics And Nonlinear Sciences, vol: 0, 2021.
DOI: [10.2478/amns.2021.1.00108](https://doi.org/10.2478/amns.2021.1.00108)
7. Qiuju Chen, Rayan Atteah Alsemmeari, "Research On Aerobics Training Posture Motion Capture Based On Mathematical Similarity Matching Statistical Analysis", Applied Mathematics And Nonlinear Sciences, vol: 0, 2021.
DOI: [10.2478/amns.2021.2.00055](https://doi.org/10.2478/amns.2021.2.00055)
8. Iftikhar Ahmad, Rayan Atteah Alsemmeari, "Towards Improving The Intrusion Detection Through Elm (Extreme Learning Machine)", Computers, Materials & Continua, vol: 65, pp. 1097-1111, 2020.
DOI: [10.32604/cmc.2020.011732](https://doi.org/10.32604/cmc.2020.011732)
9. Sheikh Tahir Bakhsh, Saleh Alghamdi, Rayan A Alsemmeari, Syed Raheel Hassan, "An Adaptive Intrusion Detection And Prevention System For Internet Of Things", International Journal Of Distributed Sensor Networks, 2019.
10. Sabeen Tahir, Sheikh Tahir Bakhsh, Rayan A Alsemmeari, "An Intrusion Detection System For The Prevention Of An Active Sinkhole Routing Attack In Internet Of Things", International Journal Of Distributed Sensor Networks, vol: 15, pp. 155014771988990, 2019.
DOI: [10.1177/1550147719889901](https://doi.org/10.1177/1550147719889901)
11. Rayan A. Alsemmeari ,Sheikh Tahir Bakhsh,Hani Alsemmeari, "Free Space Optics Vs Radio Frequency Wireless Communication", I.J. Information Technology And Computer Science, 2016.