

Academic Resume



Badraddin Alturki

Assistant Professor, Information Technology Department

Dr Badraddin Alturki received the M.Sc. degree from the University of Leicester, U.K., in 2015, and the PhD degree from the University of Leicester, U.K., in 2021. He has published papers in conferences and journals. His research interests are IoT, Fog Computing, Cloud Computing, Edge Computing, Data Science, Cybersecurity.

Contact Information.

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Highest Degree.

2021, PhD, IoT, University of Leicester, UK.

Academic and Professional Experiences.

1. **2021 - Present**
Assistant Professor, Saudi Arabia - Faculty of Computing and Information Technology, King Abdulaziz University, .
2. **2012 - 2021**
Teaching Assistant, Saudi Arabia - Faculty of Computing and Information Technology, King Abdulaziz University.

Research Interests.

IoT, Fog Computing, Cloud Computing, Edge Computing, Data Science, Cybersecurity, Data Analytics, Artificial intelligence, Privacy.

Teaching Interests.

Python, Cybersecurity, Microsoft Office, Computer Network, Advanced Web technology, Software engineering, Programming, Blockchain, Machine Learning.

Certifications and Trainings.

Social, Scientific and Professional Affiliation.

1. 2016-Present, Member, IEEE.
2. 2016-Present, Member, ACM.

Publications.

1. Abdulaziz A. Alsulami, Qasem Abu Al-Haija, Badraddin Alturki, Ali Alqahtani, Raed Alsini, "Security Strategy For Autonomous Vehicle Cyber-Physical Systems Using Transfer Learning", Journal Of Cloud Computing, vol: 12, 2023.
DOI: [10.1186/s13677-023-00564-x](https://doi.org/10.1186/s13677-023-00564-x)
2. Erkan ?eng?nül, Refik Samet, Qasem Abu Al-Haija, Ali Alqahtani, Badraddin Alturki, Abdulaziz A. Alsulami, "An Analysis Of Artificial Intelligence Techniques In Surveillance Video Anomaly Detection: A Comprehensive Survey", Applied Sciences, vol: 13, pp. 4956, 2023.
DOI: [10.3390/app13084956](https://doi.org/10.3390/app13084956)
3. 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)
4. 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)
5. 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)
6. Badraddin Alturki, Stephan Reiff-Marganiec, Charith Perera, Suparna De, "Exploring The Effectiveness Of Service Decomposition In Fog Computing Architecture For The Internet Of Things", Ieee Transactions On Sustainable Computing, vol: 7, pp. 299-312, 2019.
DOI: [10.1109/TSUSC.2019.2907405](https://doi.org/10.1109/TSUSC.2019.2907405)
7. Marco Perez-Hernandez, Badraddin Alturki, Stephan Reiff-Marganiec, "Fabiots: A Flexible Agent-Based Simulation Model For Iot Environments", 2018 Ieee International Conference On Internet Of Things (Ithings) And Ieee Green Computing And Communications (Greencom) And Ieee Cyber, Physical And Social Computing (Cpscom) And Ieee Smart Data (Smartdata), pp. 66-73, 2018.
DOI: [10.1109/Cybermatics_2018.2018.00045](https://doi.org/10.1109/Cybermatics_2018.2018.00045)
8. Badraddin Alturki, Stephan Reiff-Marganiec, "Towards An Off-The-Cloud Iot Data Processing Architecture Via A Smart Car Parking Example", Icc "17: Second International Conference On Internet Of Things, Data And Cloud Computing, pp. 1-5, 2017.
DOI: [10.1145/3018896.3018932](https://doi.org/10.1145/3018896.3018932)
9. Badraddin Alturki, Stephan Reiff-Marganiec, Charith Perera, "A Hybrid Approach For Data Analytics For Internet Of Things", Iot "17: 7th International Conference On The Internet Of Things, pp. 1-8, 2017.
DOI: [10.1145/3131542.3131558](https://doi.org/10.1145/3131542.3131558)