

## Academic Resume



### Sahar Albadri

#### Assistant Professor, Information Systems Department

A hardworking and passionate individual who is dedicated resourceful Academic and Researcher. Offering a well-honed teaching experience. Motivating and talented to inspire students to pursue academic and personal excellence. Strive to create a challenging and engaging learning environment in which students become life-long scholars and learner. Having knowledge across the domain of Critical Infrastructure, Network systems, Security protocols, and cryptosystems

#### Contact Information.

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#### Highest Degree.

2018, , critical infrastructure automated immuno response system ( CIAIRS), Liverpool John moorse Universtiy , UK.

#### Academic and Professional Experiences.

##### Research Interests.

AI, infrastructure, Computer Architecture, Simulation, Distributed Data Base, Statistical tools & Probability, Network systems, Security protocols, Cryptosystems & Cyber Security.

##### Teaching Interests.

Quality Assurance, Risk Assessment, Security Policies, Security, Network.

## Certifications and Trainings.

1. Leadership and development foundation.
2. Creative Planning for Writing your Thesis.
3. CEH v10 training.
4. Risk Management & Governance.
5. Anti-Fraud, Part 1- RSAC Special Edition.
6. Drone forensics.
7. Increasing your organizational awareness..
8. Conferences management and preparation.
9. 3I: initial teacher practice programme: Information, Ideas & Insights Programme accredited by the Higher Education Academy (HEA).
10. Supply Chain Security: A New Kind of Halting Problem.
11. Mental Health for Hackers.
12. Next generation digital forensics: challenges and future paradigm.
13. RSAC 365 Virtual Seminar: Identity.
14. Log4j, Apache, and the Future of Open Source Software.
15. Mitigating Russian State-Sponsored Cyber Threats to US Critical Infrastructure.
16. Balancing Bio Implant Digital Needs with Security, RSAC 365.
17. Addressing the Challenges of Privacy in IoT. RSAC 365.
18. Addressing the Challenges of Privacy in IoT. RSAC 365.
19. Addressing the Challenges of Privacy in IoT. RSAC 365.
20. The Metaverse of Vulnerability , RSA 365.
21. RSAC 365 Virtual Seminar & Innovation Showcase: OT & ICS Security.
22. AI for Cybersecurity: Overview of the Field and Promising Future Directions.
23. Intro to Purple Team: Cyber Threat Intelligence, Attack, Detect, Respond.
24. Sherlock Holmes: Findings Threats We Didn't Know We Were Looking For..
25. RSAC 365 Virtual Seminar: Risk Management & Governance.

## Social, Scientific and Professional Affiliation.

1. -, Assistant Professor, King AbdulAziz university.

## Publications.

1. Sahar Badri, "Ho-Cer: Hybrid-Optimization-Based Convolutional Ensemble Random Forest For Data Security In Healthcare Applications Using Blockchain Technology", *Electronic Research Archive*, vol: 31, pp. 5466-5484, 2023.  
DOI: [10.3934/era.2023278](https://doi.org/10.3934/era.2023278)
2. Sahar Badri, Daniyal M. Alghazzawi, Syed Hamid Hasan, Fayeze Alfayez, Monawar Rahman, Surbhi Bhatia, "An Efficient And Secure Model Using Adaptive Optimal Deep Learning For Task Scheduling In Cloud Computing", *Electronics*, 2023.
3. Sahar Badri, Sana Ullah Jan, Daniyal Alghazzawi, Sahar Aldhaheeri, Nikolaos Pitropakis, "Biomt: A Blockchain-Enabled Healthcare Architecture For Information Security In The Internet Of Medical Things", *Computer Systems Science And Engineering*, vol: 46, pp. 3667-3684, 2023.  
DOI: [10.32604/csse.2023.037531](https://doi.org/10.32604/csse.2023.037531)
4. Daniyal M. Alghazzawi, Anser Ghazal Ali Alquraishee, Sahar K. Badri, Syed Hamid Hasan, "Erf-Xgb: Ensemble Random Forest-Based Xg Boost For Accurate Prediction And Classification Of E-Commerce Product Review", *Sustainability*, vol: 15, pp. 7076, 2023.  
DOI: [10.3390/su15097076](https://doi.org/10.3390/su15097076)
5. Sahar Badri, Daniyal M. Alghazzawi, Syed Humaid Hasan, Fayeze Alfayez, Syed Hamid Hasan, Monawar Rahman, Surbhi Bhatia, "An Efficient And Secure Model Using Adaptive Optimal Deep Learning For Task Scheduling In Cloud Computing", *Electronics*, vol: 12, pp. 1441, 2023.  
DOI: [10.3390/electronics12061441](https://doi.org/10.3390/electronics12061441)
6. Sahar Badri, Daniyal Alghazzawi, "Security And Performance Through Operating System Services; Development Of An Anti-Hacking System", *Computer And Information Science*, vol: 15, pp. 66, 2022.  
DOI: [10.5539/cis.v15n4p66](https://doi.org/10.5539/cis.v15n4p66)
7. Daniyal M Alghazzawi, Sahar Badri, "Using The B/S Model To Design And Implement Online Shopping System For Gulf Brands", *Sustainability*, vol: 14, pp. 3176, 2022.  
DOI: [10.3390/su14063176](https://doi.org/10.3390/su14063176)
8. Alwafi, G., Alrougi, M., Alsulami, R., Badri, S., Alahmadi, D., Fakieh, B., "An Exploratory Study On The Impact Of Big Data And Artificial Intelligence Applications To Support The National Health To Combat Covid-19", *19th International Learning And Technology Conference: Space Exploration And Ai*, 2022.
9. Aljuhani, N., Matar, Z., Alzahrani, A., Saeedi, K., Badri, S., Fakieh, B., "Assessing The Success Rate Of E-Learning Systems Adoption In Saudi Higher Education Institution During Covid-19 Pandemic: Student Perspective", *International Journal Of Computer Science & Network Security (Ijcsns)*, 2022.
10. Khlood Alshaikh, Shaikhah Maasher, Afnan Bayazed, Farrukh Saleem, Sahar Badri, Bahjat Fakieh, "Impact Of Covid-19 On The Educational Process In Saudi Arabia: A Technology&Ndash;Organization&Ndash;Environment Framework", *Sustainability*, vol: 13, pp. 7103, 2021.  
DOI: [10.3390/su13137103](https://doi.org/10.3390/su13137103)
11. Saud Assiri, Mansour Alyamani, Abdullah Mansour, Bahjat Fakieh, Sahar Badri, Amal Babour, "Current Shipment Tracking Technologies And Trends In Research", *Icisdms 2020: 2020 The 4th International Conference On Information System And Data Mining*, pp. 113-117, 2020.  
DOI: [10.1145/3404663.3404683](https://doi.org/10.1145/3404663.3404683)
12. Elaaf Aljohani, Fatimah Alshahrani, Nuha Aldini, Raghada Al-harbi, Amal Babour, Sahar Badri, "A Review Of Children&#39;s Day-Care Centers Systems", *International Journal Of Advanced Trends In Computer Science And Engineering*, vol: 9, pp. 6913-6920, 2020.  
DOI: [10.30534/ijatcse/2020/07952020](https://doi.org/10.30534/ijatcse/2020/07952020)

## **Publications.**

13. 2. Badri, S., Fergus, P., & Hurst, W., "Statistical Analysis Methods For Interdependency Communication In Distributed Systems", International Conference On Developments In Esystems Engineering, 2016.
14. 2. Badri, S., Fergus, P., & Hurst, W., "Critical Infrastructure Automated Immuno-Response System ( Ciars )", 3rd International Conference, Decision And Information Technologies, 2016.
15. 2. Badri, S., Fergus, P., & Hurst, W., "A Support Network For Distributed Systems", The 10th international Conference On E-Learning And Games, 2016.
16. 1. Badri, S., Abuelmaatti, O., Llewellyn-Jones, D.,& Merabti, M., "An Artificial Immune System Techniques For Critical Infrastructure Support", Pgnet, 2013.