

## Academic Resume



### Adel Bahaddad

#### Associate Professor, Information Systems Department

He received the B.S. degree in computer science from Science's College, Saudi Arabia, in 2002, and the M.S. and Ph.D. degrees in information and communication technology from the School of Information and Communication Technology, Griffith University, Brisbane, Australia, in 2012 and 2017, respectively. He is currently an Assistant Professor with the Faculty of Computing and Information Technology, King Abdulaziz University (KAU), where he serves Head of the Department of Systems and Education

#### Contact Information.

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#### Highest Degree.

2017, , Enterprise Architecture - System Analiesis , Griffith University, Australia.

#### Academic and Professional Experiences.

1. **2021 - Present**  
Supervisor of Partnership Unit at FCIT in King Abdelaziz University., , .
2. **2020 - Present**  
Supervisor of Summer Training Unit at FCIT in King Abdelaziz University., , .
3. **2017 - 2020**  
Head of E-learning Systems at Deanship of e-learning and Distance Learning at King Abdelaziz University, , .

#### Research Interests.

E-commerce, Enterprise Architecture, E-learning, E-Governance, E-services.

#### Teaching Interests.

E-Business Strategies, Software Engineering, Enterprise Architecture.

#### Certifications and Trainings.

1. Appreciation Official Letter for student who publish 5 publications or more during the PhD journey from Cultural Mission of Saudi Arabia in Canberra, Australia..
2. Excellence Certificate from Cultural Mission of Saudi Arabia in Australia in 2013, 2014, and 2015.
3. Graduation Certificate from Saudi Arabian Embassy in Australia.
4. Graduation Certificate from Cultural Mission of Saudi Arabia in Australia.
5. Vice president of Brisbane Saudi Student Club, Australia in 2013.
6. Organize and arrange the Saudi Special Festival at Brisbane Saudi Club, Australia.
7. Working as assistance in some events of Brisbane Saudi Student association between 2008 and 2017..

Last Profile Update: November 07, 2023

### **Social, Scientific and Professional Affiliation.**

1. -, Requirements for the success of mobile commercial applications in Arabic society: A Gulf countries case study??? Enterprise Architecture, Griffith University - Brisbane - QLD - Australia..
2. -, The Diffusion of innovation of E-Mall for Small and Medium Enterprises (SMEs) in Saudi Arabia, Griffith University - Brisbane - QLD - Australia.

### **Excellence Awards and Patents.**

1. 2017, Interior, achieve the diploma of Head and supervisor academic departments, King Abdelaziz University..

## Publications.

1. Saad A. Almohammadi, Adel A. Bahaddad, "Determine The Critical Factors Of Information Systems Success (Iss) To Enhance Customer Satisfaction On Sme Performance In Saudi Arabia", 23, 2023.
2. Muhammad Ihsan Shahid, Muhammad Asim, Muhammad Farhan, Muhammad Fahad Sheikh, Muhammad Usman Ashraf, Hassan Arshad, Ahmed Alghamdi, Abdullah S. Alshahrani, Adel A. Bahaddad, Khalid Ali Almarhabi, Rajagopalan Parameshwaran, "Design And Performance Analysis Of Salinity Gradient Solar Pond Under Different Climatic And Soil Conditions", Plos One, vol: 18, pp. e0279311, 2023.  
DOI: [10.1371/journal.pone.0279311](https://doi.org/10.1371/journal.pone.0279311)
3. Mehwish Rasheed, Muhammad Waseem Iqbal, Arfan Jaffar, Muhammad Usman Ashraf, Khalid Ali Almarhabi, Ahmed Mohammed Alghamdi, Adel A. Bahaddad, "Recognizing Brain Tumors Using Adaptive Noise Filtering And Statistical Features", Diagnostics, vol: 13, pp. 1451, 2023.  
DOI: [10.3390/diagnostics13081451](https://doi.org/10.3390/diagnostics13081451)
4. Gohar Mumtaz, Sheeraz Akram, Muhammad Waseem Iqbal, M. Usman Ashraf, Khalid Ali Almarhabi, Ahmed Mohammed Alghamdi, Adel A. Bahaddad, "Classification And Prediction Of Significant Cyber Incidents (Sci) Using Data Mining And Machine Learning (Dm-Ml)", Ieee Access, vol: 11, pp. 94486-94496, 2023.  
DOI: [10.1109/ACCESS.2023.3249663](https://doi.org/10.1109/ACCESS.2023.3249663)
5. Salem Alkhalaf, Fahad Alturise, Adel Aboud Bahaddad, Bushra M. Elamin Elnaim, Samah Shabana, Sayed Abdel-Khalek, Romany F. Mansour, "Adaptive Aquila Optimizer With Explainable Artificial Intelligence-Enabled Cancer Diagnosis On Medical Imaging", Cancers, vol: 15, pp. 1492, 2023.  
DOI: [10.3390/cancers15051492](https://doi.org/10.3390/cancers15051492)
6. Adel A. Bahaddad, Khalid Ali Almarhabi, Sayed Abdel-Khalek, "Image Steganography Technique Based On Bald Eagle Search Optimal Pixel Selection With Chaotic Encryption", Alexandria Engineering Journal, vol: 75, pp. 41-54, 2023.  
DOI: [10.1016/j.aej.2023.05.051](https://doi.org/10.1016/j.aej.2023.05.051)
7. Khalid Almarhabi, Adel Bahaddad, Ahmed Mohammed Alghamdi, "Security Management Of Byod And Cloud Environment In Saudi Arabia", Alexandria Engineering Journal, vol: 63, pp. 103-114, 2023.  
DOI: [10.1016/j.aej.2022.07.031](https://doi.org/10.1016/j.aej.2022.07.031)
8. Khalid Hamid, "Optimized Evaluation Of Mobile Base Station By Modern Topological Invariants", Computers, Materials & Continua, vol: 74, pp. 363-378, 2023.  
DOI: [10.32604/cmc.2023.032271](https://doi.org/10.32604/cmc.2023.032271)
9. Rab Nawaz Bashir, Imran Sarwar Bajwa, Muhammad Waseem Iqbal, Muhammad Usman Ashraf, Ahmed Mohammed Alghamdi, Adel A. Bahaddad, Khalid Ali Almarhabi, "Leaching Fraction (Lf) Of Irrigation Water For Saline Soils Using Machine Learning", 36, 2023.
10. Madini O. Alassafi, Ishtiaq Rasool Khan, Rayed AlGhamdi, Wajid Aziz, Abdulrahman A. Alshdadi, Mohamed M. Dessouky, Adel Bahaddad, Ali Altalbe, Nabeel Albishry, "Studying Dynamical Characteristics Of Oxygen Saturation Variability Signals Using Haar Wavelet", Healthcare, vol: 11, pp. 2280, 2023.  
DOI: [10.3390/healthcare11162280](https://doi.org/10.3390/healthcare11162280)
11. Khalid Almarhabi Adel Bahaddad Ahmed Alghamdi, "Security Management Of Byod And Cloud Environment In Saudi Arabia", Alexandria Engineering Journal, 2023.
12. Gulzar Ahmed, Tahir Alyas, Muhammad Waseem Iqbal, Muhammad Usman Ashraf, Ahmed Mohammed Alghamdi, Adel A. Bahaddad, Khalid Ali Almarhabi, "Recognition Of Urdu Handwritten Alphabet Using Convolutional Neural Network (Cnn)", Computers, Materials & Continua, vol: 73, pp. 2967-2984, 2022.  
DOI: [10.32604/cmc.2022.029314](https://doi.org/10.32604/cmc.2022.029314)
13. Khalid A. Almarhabi, Ahmed M. Alghamdi, Adel A. Bahaddad, "Adoption Of The Bring Your Own Device (Byod) Approach In The Health Sector In Saudi Arabia", Ijcsns International Journal Of Computer Science And Network Security, 2022.

## Publications.

14. SIYUAN DU, ADEL A. BAHADDAD, MAOZHU JIN, QIAN ZHANG, "Research On The Tourist Flow Feature Of Scenic Area Based On Fractal Statistical Model — A Case Of Zhangjiajie", *Fractals*, vol: 30, 2022.  
DOI: [10.1142/S0218348X2240103X](https://doi.org/10.1142/S0218348X2240103X)
15. Mamoon Mumtaz, Naveed Ahmad, M. Usman Ashraf, Ahmed Mohammed Alghamdi, Adel A. Bahaddad, Khalid Ali Almarhabi, "Iteration Causes, Impact, And Timing In Software Development Lifecycle: An Slr", *Ieee Access*, vol: 10, pp. 65355-65375, 2022.  
DOI: [10.1109/ACCESS.2022.3182703](https://doi.org/10.1109/ACCESS.2022.3182703)
16. Adel A. Bahaddad, Mahmoud Ragab, Ehab Bahaudien Ashary, Eied M. Khalil, K. Shankar, "Metaheuristics With Deep Learning-Enabled Parkinson'S Disease Diagnosis And Classification Model", *Journal Of Healthcare Engineering*, vol: 2022, pp. 1-14, 2022.  
DOI: [10.1155/2022/9276579](https://doi.org/10.1155/2022/9276579)
17. Adel A. Bahaddad, "The Concept Of Quality Assurance In M-Commerce Applications In Arabic Societies", 2022, 2022.
18. Mahmoud Ragab, Khalid Eljaaly, Nabil A. Alhakamy, Hani A. Alhadrami, Adel A. Bahaddad, Sayed M. Abo-Dahab, Eied M. Khalil, "Deep Ensemble Model For Covid-19 Diagnosis And Classification Using Chest Ct Images", 2022, 2022.
19. Bahaddad, A. A., "Metaheuristics With Deep Learning-Enabled Parkinson&Amp;Amp;Rsquo;S Disease Diagnosis And Classification Model", 2022, 2022.
20. Ahmed S. Alfakeeh, Abdulmohsen Almalawi, Fawaz Jaber Alsolami, Yoosef B. Abushark, Asif Irshad Khan, Adel Aboud S. Bahaddad, Md Mottahir Alam, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan, "Sustainable-Security Assessment Through A Multi Perspective Benchmarking Framework", 22, 2022.
21. Siyuan Du, Adel A. Bahaddad, Maozhu Jin, Qian Zhang, "The Influence Of Fractal Statistical Model Based Industrial Structure Optimization On Economic Development", 2021, 2021.
22. Ahmed S. Alfakeeh<sup>1</sup>, Abdulmohsen Almalawi<sup>2</sup>, Fawaz Jaber Alsolami<sup>2</sup>, Yoosef B. Abushark<sup>2</sup>, Asif Irshad Khan<sup>2,\*</sup>, Adel Aboud S. Bahaddad<sup>1</sup>, Alka Agrawal<sup>3</sup>, Rajeev Kumar<sup>4</sup> and Raees Ahmad Khan, "Hesitant Fuzzy-Sets Based Decision-Making Model For Security Risk Assessment", 70, 2021.
23. Ragab, M., Algarni, A., Bahaddad, A. A., & Mansour, R. F., "Machine Learning Applied To Problem-Solving In Medical Applications", 69, 2021.
24. Adel A. Bahaddad, "The Traditional Influence On Increasing Acceptance Of Commercial Smartphone Applications In Specific Regions Of The Arabic World", 2022, 2021.
25. Badwelan, A., "Determine The Main Target Audience Characteristics In M-Learning Applications In Saudi Arabian University Communities", *International Journal Of Advanced Computer Science And Applications*, vol: 12, 2021.  
DOI: [10.14569/IJACSA.2021.0120836](https://doi.org/10.14569/IJACSA.2021.0120836)
26. Badwelan, A., "Functional Requirements To Increase Acceptance Of M-Learning Applications Among University Students In The Kingdom Of Saudi Arabia (Ksa)", *Vol.21 No.4, April 2021*, 2021.
27. Badwelan, A., "Towards The Acceptance Of Functional Requirements In M-Learning Application For Ksa University Students", 21(4):145-166, 2021, 2021.
28. Arif Bramantoro, Ahmad A. Alzahrani, Adel A. Bahaddad, Ahmed S. Alfakeeh, "Cloud-Based Learning Service Platform For Multilingual Smart Class", 7(7) 2020, Pages: 83-91, 2020.
29. Rayed AlGhamdi, Adel Bahaddad, "Assessing The Usages Of Lms At Kau And Proposing Force Strategy For The Diffusion", 7, 2019.
30. Adel A. Bahaddad, "Evaluating M-Commerce Systems Success: Measurement And Validation Of The Delone And Mclean Model Of Is Success In Arabic Society (Gcc Case Study)", *Journal Of Business Theory And Practice*, 2017.

## Publications.

31. Badwelan, A and Bahaddad A., "Cultural Factors That Influence M-Learning For Female University Students: A Saudi Arabian Case Study.", *International Journal Of Computer Applications* (0975 ??? 8887) Volume 166 ??? No.5, May 2017, 2017.
32. Alharbi, W., & Bahaddad, A., "Toward Extension Of Global Market Opportunity To Adopt M-Commerce Approach For New Strategy In Saudi Arabia", *Australasian Journal Of Business, Social Science And Information Technology*, 2017.
33. Adel Bahaddad, "Fundamental Requirements For Smartphone Commercial Applications Development For Arabic Societies: Evidence From Three Gulf Cooperation Council States", *International Journal Of Computing Sciences Research*, vol: 1, pp. 30-51, 2017.  
DOI: [10.25147/ijcsr.2017.001.1.04](https://doi.org/10.25147/ijcsr.2017.001.1.04)
34. Adel A. Bahaddad, "Evaluating M?Commerce Systems Success: Measurement And Validation Of The Delone And Mclean Model Of Is Success In Arabic Society (Gcc Case Study)", *Journal Of Business Theory And Practice*, vol: 5, pp. 156, 2017.  
DOI: [10.22158/jbtp.v5n3p156](https://doi.org/10.22158/jbtp.v5n3p156)
35. Alaa Badwelan, Steve Drew, Adel A. Bahaddad, "Towards Acceptance M-Learning Approach In Higher Education In Saudi Arabia", *International Journal Of Business And Management*, vol: 11, pp. 12, 2016.  
DOI: [10.5539/ijbm.v11n8p12](https://doi.org/10.5539/ijbm.v11n8p12)
36. Bahaddad, A. A., AlGhamdi, R., & Alkhalaf, S., "Adoption Factors For E-Malls In The Sme Sector In Saudi Arabia", *International Journal Of Computer Science And Information Technologies*, Vol. 5 (4) , 2014, 5835-5856, 2015.
37. Adel A. Bahaddad, Steve Drew, Luke Houghton, Osama Abdulaziz Alfarraj, "Factors Attracting Online Consumers To Choose E-Malls For E-Procurement In Saudi Arabia", *Enterprise Information Systems*, pp. 1-32, 2015.  
DOI: [10.1080/17517575.2015.1091952](https://doi.org/10.1080/17517575.2015.1091952)
38. Ghamdi, R. A., Alfarraj, O. A., & Bahaddad, A. A. S, "How Retailers At Different Stages Of E-Commerce Maturity Evaluate Factors That Influence Their Adoption Or Non-Adoption Of E-Commerce Activities?.", *Journal Of Computer Science And Information Technology*, 2014.
39. Adel Aboud Bahaddad, Luke Houghton, Steve Drew, "Attracting Customer In Saudi Arabia To Buy From Your Business Online", *International Journal Of Business And Management*, vol: 8, 2013.  
DOI: [10.5539/ijbm.v8n7p65](https://doi.org/10.5539/ijbm.v8n7p65)
40. Adel A. Bahaddad, Rayed AlGhamdi, Luke Houghton, "To What Extent Would E-Mall Enable Smes To Adopt E-Commerce?", *International Journal Of Business And Management*, vol: 7, 2012.  
DOI: [10.5539/ijbm.v7n22p123](https://doi.org/10.5539/ijbm.v7n22p123)