

Academic Resume



Bahjat Fakieh

Associate Professor, Information Systems Department

Contact Information.

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Highest Degree.

2017, Ph.D. in Computing (Information Systems), Cloud Computing for SMEs, Macquarie University, Australia.

Academic and Professional Experiences.

1. **2021 - 2023**
Head of Department, Information Systems Department, King Abdulaziz University.
2. **2018 - Present**
Academic Member, King Abdulaziz University, Jeddah, Saudi Arabia, , .
3. **2016 - 2017**
Lecturer, Sydney, Australia, Federation University in association with ATMC College.
4. **2013 - 2017**
Tutor, Sydney, Australia, Macquarie University.
5. **2012 - 2012**
IT Project Implementation Team Member, Sydney, Australia, ASTRAZENECA.
6. **2007 - 2018**
Academic, Jeddah, Saudi Arabia, King Abdul-Aziz University.
7. **2005 - 2007**
System Engineer, Makkah, Saudi Arabia, Makkah Municipality.

Research Interests.

Machine Learning, E-Services, Data Analytics.

Teaching Interests.

Electronic Business, Electronic Commerce, IS Strategies, Data Analysis, Digital Transformation.

Certifications and Trainings.

1. ITIL Foundation.
2. CCNA.
3. ITIL Foundation v.4.
4. ITIL 4 Strategist; Direct, Plan and Improve.

Social, Scientific and Professional Affiliation.

Publications.

1. Zelal Shearah, Zahid Ullah, Bahjat Fakieh, "Intelligent Framework For Early Detection Of Severe Pediatric Diseases From Mild Symptoms", *Diagnostics*, vol: 13, pp. 3204, 2023.
DOI: [10.3390/diagnostics13203204](https://doi.org/10.3390/diagnostics13203204)
2. Bahjat Fakieh, Abdullah S. AL-Malaise AL-Ghamdi, Farrukh Saleem, Mahmoud Ragab, "Optimal Machine Learning Driven Sentiment Analysis On Covid-19 Twitter Data", *Computers, Materials & Continua*, vol: 75, pp. 81-97, 2023.
DOI: [10.32604/cmc.2023.033406](https://doi.org/10.32604/cmc.2023.033406)
3. Bahjat Fakieh, Ari Happonen, "Exploring The Social Trend Indications Of Utilizing E-Commerce During And After Covid-19'S Hit", *Behavioral Sciences*, vol: 13, pp. 5, 2022.
DOI: [10.3390/bs13010005](https://doi.org/10.3390/bs13010005)
4. Bahjat Fakieh, Mahmoud Ragab, Laxmi Lydia, "Automated Covid-19 Classification Using Heap-Based Optimization With The Deep Transfer Learning Model", *Computational Intelligence And Neuroscience*, vol: 2022, pp. 1-13, 2022.
DOI: [10.1155/2022/7508836](https://doi.org/10.1155/2022/7508836)
5. LING ZHANG, BAHJAT FAKIEH, LI SHANG, "Financial Management Of Asset-Liability Ratio Of Small- And Medium-Sized Enterprises In Dynamic Nonlinear System", *Fractals*, vol: 30, 2022.
DOI: [10.1142/S0218348X22400643](https://doi.org/10.1142/S0218348X22400643)
6. Bahjat Fakieh, Peter Busch, Yvette Blount, "Australian Sme Adoption Of Cloud Computing: Drivers And Challenges", *International Journal Of Business Information Systems*, vol: 40, pp. 514, 2022.
DOI: [10.1504/IJBIS.2022.124925](https://doi.org/10.1504/IJBIS.2022.124925)
7. Zahid Ullah, Farrukh Saleem, Mona Jamjoom, Bahjat Fakieh, Faris Kateb, Abdullah Marish Ali, Babar Shah, "Detecting High-Risk Factors And Early Diagnosis Of Diabetes Using Machine Learning Methods", *Computational Intelligence And Neuroscience*, vol: 2022, pp. 1-10, 2022.
DOI: [10.1155/2022/2557795](https://doi.org/10.1155/2022/2557795)
8. Bahjat Fakieh, Abdullah S. AL-Malaise AL-Ghamdi, Mahmoud Ragab, Abdellatif Ben Makhlof, "The Effect Of Utilizing Business Model Canvas On The Satisfaction Of Operating Electronic Business", *Complexity*, vol: 2022, pp. 1-10, 2022.
DOI: [10.1155/2022/1649160](https://doi.org/10.1155/2022/1649160)
9. Bahjat Fakieh, Abdullah S. AL-Malaise AL-Ghamdi, Mahmoud Ragab, "Optimal Deep Stacked Sparse Autoencoder Based Osteosarcoma Detection And Classification Model", *Healthcare*, vol: 10, pp. 1040, 2022.
DOI: [10.3390/healthcare10061040](https://doi.org/10.3390/healthcare10061040)
10. Mahmoud Ragab, Abdullah S. AL-Malaise AL-Ghamdi, Bahjat Fakieh, Hani Choudhry, Romany F. Mansour, Deepika Koundal, Baiyuan Ding, "Prediction Of Diabetes Through Retinal Images Using Deep Neural Network", *Computational Intelligence And Neuroscience*, vol: 2022, pp. 1-6, 2022.
DOI: [10.1155/2022/7887908](https://doi.org/10.1155/2022/7887908)
11. Farrukh Saleem, Zahid Ullah, Bahjat Fakieh and Faris Kateb, "Intelligent Decision Support System For Predicting Student'S E-Learning Performance Using Ensemble Machine Learning", *Mdpi Mathematics*, 2021.
12. Hana A. ALSAADI, Dhefah T. RADAIN, Maysoon M. ALZAHIRANI, Wahj F. ALSHAMMARI, Dimah ALAHMADI & Bahjat FAKIEH, "Factors That Affect The Utilization Of Low-Code Development Platforms: Survey Study", *Romanian Journal Of Information Technology And Automatic Control*, 2021.
13. Naela Bahurmuz, Rishaa Alnajim, Rasha Al-Mutairi, Zainab Al-Shingiti, Farrukh Saleem, Bahjat Fakieh, "Requirements Elicitation Techniques In Mobile Applications: A Systematic Literature Review", *International Journal Of Information Technology Project Management*, vol: 12, pp. 1-18, 2021.
DOI: [10.4018/IJITPM.2021070101](https://doi.org/10.4018/IJITPM.2021070101)

Publications.

14. Bahjat FAKIEH, "Enhancing The Business Model: Automating The Recommended Retail Price Calculation Of Products", Ieice Transactions On Information And Systems, vol: E104.D, pp. 970-980, 2021.
DOI: [10.1587/transinf.2020EDP7164](https://doi.org/10.1587/transinf.2020EDP7164)
15. Khloud 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)
16. Zahid Ullah, Farrukh Saleem, Mona Jamjoom, Bahjat Fakieh, "Reliable Prediction Models Based On Enriched Data For Identifying The Mode Of Childbirth By Using Machine Learning Methods: Development Study", Journal Of Medical Internet Research, vol: 23, pp. e28856, 2021.
DOI: [10.2196/28856](https://doi.org/10.2196/28856)
17. Sarah AL-Zahrani , Bahjat Fakieh, "How Devops Practices Support Digital Transformation", International Journal Of Advanced Trends In Computer Science And Engineering, 2020.
18. Farrukh Saleem, Bahjat Fakieh, "Enterprise Architecture And Organizational Benefits: A Case Study", Sustainability, 2020.
19. Rana Abdullah , Bahjat Fakieh, "Health Care Employees And Perceptions Of The Use Of Artificial Intelligence Applications: Survey Study", Journal Of Medical Internet Research, 2020.
20. Bahjat Fakieh, "Smes Research: The Continuous Need To Explore The Ict Potential", 32nd International Business Information Management Association Conference, 2018.
21. Bahjat Fakieh, Yvette Blount, Peter Busch, "Smes And Cloud Computing: The Benefits To The National Economy And Global Competitiveness", The 13th European Mediterranean & Middle Eastern Conference On Information Systems, 2016.
22. Peter Busch, Stephen Smith, Asif Gill, Pedro Harris, Bahjat Fakieh, Yvette Blount, "A Study Of Government Cloud Adoption: The Australian Context", The 25th Australasian Conference On Information Systems, 2014.
23. Bahjat Fakieh, Yvette Blount, Peter Busch, "Success In The Digital Economy Cloud Computing, Smes And The Impact To National Productivity", The 25th Australasian Conference On Information Systems, 2014.