

## Academic Resume



### Zahid Ullah Sultan

#### Assistant Professor, Information Systems Department

Zahid Ullah is an experienced educator of computer science and information systems with a demonstrated history of working in teaching and research industry. He has taught major subjects of computer information systems and worked on several research projects. His major research areas include: Cognitive Computing, Machine Learning, and Data Mining. He has published numerous research articles in his major areas in particular as well as in several other fields in highly reputed journals.

#### Contact Information.

Building 31, Room 25, Ext. 61279, Add. Department of Information Systems, Faculty of Computing and Information Technology, King Abdulaziz University, Jeddah., [zasultan@kau.edu.sa](mailto:zasultan@kau.edu.sa).

#### Highest Degree.

2020, PhD, Computer Science, University of Kuala Lumpur, Malaysia.

#### Academic and Professional Experiences.

1. **2023 - Present**  
Head of Academic Affairs, Information Systems Department, Faculty of Computing and Information Technology, King Abdulaziz University, Jeddah, Saudi Arabia.
2. **2023 - Present**  
Head of Academic Advising, Information Systems Department, Faculty of Computing and Information Technology, King Abdulaziz University, Jeddah, Saudi Arabia.
3. **2022 - Present**  
Vice Program Coordinator for ABET Accreditation, Information Systems Department, Faculty of Computing and Information Technology, King Abdulaziz University, Jeddah, Saudi Arabia.
4. **2020 - Present**  
Assistant Professor, Information Systems Department, Faculty of Computing and Information Technology, King Abdulaziz University, Jeddah, Saudi Arabia.
5. **2012 - 2020**  
Lecturer, Information Systems Department, Faculty of Computing and Information Technology, King Abdulaziz University, Jeddah, Saudi Arabia.
6. **2007 - 2012**  
Researcher, Information Systems Department, College of Computer and Information Sciences, King Saud University, Riyadh, Saudi Arabia.

## Research Interests.

Machine Learning, Deep Learning, Data Science, Artificial Intelligence, Security.

## Teaching Interests.

Courses related to computer sciences and information systems.

## Certifications and Trainings.

1. Training: Data Science and Big Data Analytics, organized by EMC in Riyadh, Saudi Arabia.
2. Huawei training and certification: HCIA- AI.
3. Huawei training and certification: HCIA- Routing and Switching.
4. Cisco training and certification: CCNA Cybersecurity Operations.

## Social, Scientific and Professional Affiliation.

1. 2019-Present, Member, IEEE.
2. 2018-Present, CCNA Cisco Instructor, Cisco Network Academy.

## Excellence Awards and Patents.

1. 2015, Interior, Best Faculty Award, FCIT, KAU.
2. 2020, Interior, Research Appreciation Award, FCIT, KAU.
3. 2011, Interior, Research Appreciation Award, KSU.
4. 2010, Interior, Research Appreciation Award, KSU.
5. 2016, Interior, Research Appreciation Award, FCIT, KAU.
6. 2017, Interior, Research Appreciation Award, FCIT, KAU.
7. 2018, Interior, Research Appreciation Award, FCIT, KAU.
8. 2019, Interior, Research Appreciation Award, FCIT, KAU.

## Funded Projects.

1. 2020, The Role of Artificial Intelligence in the Healthcare Industry, DSR, KAU, Successfully completed.
2. 2020, Artificial Intelligence and Education: Opportunities for Smart Learning, DSR, KAU, Successfully completed.
3. 2021, Use of Artificial Intelligence in the Healthcare Industry, DSR, KAU, Approved.
4. 2021, Detection of Autism Spectrum Disorder using Artificial Intelligence, DSR, KAU, Approved.

## Publications.

1. Areeba Ishtiaq, Kashif Munir, Ali Raza, Nagwan Abdel Samee, Mona M. Jamjoom, Zahid Ullah, "Product Helpfulness Detection With Novel Transformer Based Bert Embedding And Class Probability Features", Ieee Access, vol: 12, pp. 55905-55917, 2024.  
DOI: [10.1109/ACCESS.2024.3390605](https://doi.org/10.1109/ACCESS.2024.3390605)
2. Muhammad Asad Abbas, Kashif Munir, Ali Raza, Nagwan Abdel Samee, Mona M. Jamjoom, Zahid Ullah, "Novel Transformer Based Contextualized Embedding And Probabilistic Features For Depression Detection From Social Media", Ieee Access, vol: 12, pp. 54087-54100, 2024.  
DOI: [10.1109/ACCESS.2024.3387695](https://doi.org/10.1109/ACCESS.2024.3387695)
3. Md Shakhawat Hossain, Md. Mahmudur Rahman, M. Mahbulul Syeed, Mohammad Faisal Uddin, Mahady Hasan, Md. Aulad Hossain, Amel Ksibi, Mona M. Jamjoom, Zahid Ullah, Md Abdus Samad, "Deepoly: Deep Learning-Based Polyps Segmentation And Classification For Autonomous Colonoscopy Examination", Ieee Access, vol: 11, pp. 95889-95902, 2023.  
DOI: [10.1109/ACCESS.2023.3310541](https://doi.org/10.1109/ACCESS.2023.3310541)
4. 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)
5. Yinjun Zhang, Mona Jamjoom, Zahid Ullah, "Double Deep Q-Network Next-Generation Cyber-Physical Systems: A Reinforcement Learning-Enabled Anomaly Detection Framework For Next-Generation Cyber-Physical Systems", Electronics, vol: 12, pp. 3632, 2023.  
DOI: [10.3390/electronics12173632](https://doi.org/10.3390/electronics12173632)
6. Zahid Ullah, Najah Alsubaie, Mona Jamjoom, Samah H. Alajmani, Farrukh Saleem, "Effimob-Net: A Deep Learning-Based Hybrid Model For Detection And Identification Of Tomato Diseases Using Leaf Images", Agriculture, vol: 13, pp. 737, 2023.  
DOI: [10.3390/agriculture13030737](https://doi.org/10.3390/agriculture13030737)
7. Mona Jamjoom, Nada Ahmed, Safia Abbas, Rania Hodhod, Mohamed El-Sheikh, Zahid Ullah, "A Novel Approach For Contextual Clustering And Retrieval Of Behavior Trees To Enrich The Behavior Of Social Intelligent Agents", Electronics, vol: 12, pp. 970, 2023.  
DOI: [10.3390/electronics12040970](https://doi.org/10.3390/electronics12040970)
8. Zahid Ullah, Mona Jamjoom, "A Smart Secured Framework For Detecting And Averting Online Recruitment Fraud Using Ensemble Machine Learning Techniques", Peerj Computer Science, vol: 9, pp. e1234, 2023.  
DOI: [10.7717/peerj-cs.1234](https://doi.org/10.7717/peerj-cs.1234)
9. Chayma Bahhar, Amel Ksibi, Manel Ayadi, Mona M. Jamjoom, Zahid Ullah, Ben Othman Soufiene, Hedi Sakli, "Wildfire And Smoke Detection Using Staged Yolo Model And Ensemble Cnn", Electronics, vol: 12, pp. 228, 2023.  
DOI: [10.3390/electronics12010228](https://doi.org/10.3390/electronics12010228)
10. Zahid Ullah, Mona Jamjoom, "A Deep Learning For Alzheimer's Stages Detection Using Brain Images", Computers, Materials & Continua, vol: 74, pp. 1457-1473, 2023.  
DOI: [10.32604/cmc.2023.032752](https://doi.org/10.32604/cmc.2023.032752)
11. Amel Ksibi, Manel Ayadi, Ben Othman Soufiene, Mona M. Jamjoom, Zahid Ullah, "Mobires-Net: A Hybrid Deep Learning Model For Detecting And Classifying Olive Leaf Diseases", Applied Sciences, vol: 12, pp. 10278, 2022.  
DOI: [10.3390/app122010278](https://doi.org/10.3390/app122010278)
12. 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)

## Publications.

13. Zahid Ullah, Mona Jamjoom, "An Intelligent Approach For Arabic Handwritten Letter Recognition Using Convolutional Neural Network", Peerj Computer Science, vol: 8, pp. e995, 2022.  
DOI: [10.7717/peerj-cs.995](https://doi.org/10.7717/peerj-cs.995)
14. Farrukh Saleem, Zahid Ullah, Bahjat Fakieh, Faris Kateb, "Intelligent Decision Support System For Predicting Student'S E-Learning Performance Using Ensemble Machine Learning", Mathematics, vol: 9, pp. 2078, 2021.  
DOI: [10.3390/math9172078](https://doi.org/10.3390/math9172078)
15. Haseeb Ahmad, Shahbaz Ahmad, Muhammad Asif, Mobashar Rehman, Abdullah Alharbi, Zahid Ullah, "Evolution-Based Performance Prediction Of Star Cricketers", Computers, Materials & Continua, vol: 69, pp. 1215-1232, 2021.  
DOI: [10.32604/cmc.2021.016659](https://doi.org/10.32604/cmc.2021.016659)
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. Muhammad Rizwan Ali, Farooq Ahmad, Muhammad Hasanain Chaudary, Zuhaib Ashfaq Khan, Mohammed A. Alqahtani, Jehad Saad Alqurni, Zahid Ullah, Wasim Ullah Khan, "Petri Net Based Modeling And Analysis For Improved Resource Utilization In Cloud Computing", Peerj Computer Science, vol: 7, pp. e351, 2021.  
DOI: [10.7717/peerj-cs.351](https://doi.org/10.7717/peerj-cs.351)
18. Zahid Ullah, Adidah Lajis, Mona Jamjoom, Abdulrahman Altalhi, Farrukh Saleem, "Blooms Taxonomy: A Beneficial Tool For Learning And Assessing Students Competency Levels In Computer Programming Using Empirical Analysis", Computer Applications In Engineering Education, vol: 28, pp. 1628-1640, 2020.  
DOI: [10.1002/cae.22339](https://doi.org/10.1002/cae.22339)
19. Farrukh Saleem, Naomie Salim, Abdulrahman H. Altalhi, Zahid Ullah, Abdullah AL-Malaise AL-Ghamdi, Zahid Mahmood Khan, "Assessing The Effects Of Information And Communication Technologies On Organizational Development: Business Values Perspectives", Information Technology For Development, pp. 1-35, 2020.  
DOI: [10.1080/02681102.2017.1335279](https://doi.org/10.1080/02681102.2017.1335279)
20. Naif Radi Aljohani, Rabeeh Ayaz Abbasi, Fahad Mohammed Bawakid, Farrukh Saleem, Zahid Ullah, Ali Daud, Muhammad Ahtisham Aslam, Jalal S. Alowibdi, Saeed-Ul Hassan, "Web Observatory Insights: Past, Current, And Future", International Journal On Semantic Web And Information Systems, vol: 15, pp. 52-68, 2019.  
DOI: [10.4018/IJSWIS.2019100104](https://doi.org/10.4018/IJSWIS.2019100104)
21. Zahid Ullah, Adidah Lajis, Mona Jamjoom, Abdulrahman H. Altalhi, Jalal Shah, Farrukh Saleem, "A Rule-Based Method For Cognitive Competency Assessment In Computer Programming Using Blooms Taxonomy", Ieee Access, vol: 7, pp. 64663-64675, 2019.  
DOI: [10.1109/ACCESS.2019.2916979](https://doi.org/10.1109/ACCESS.2019.2916979)
22. Farrukh Saleem, Naomie Salim, Abdulrahman Altalhi, Abdullah Al-Malaise Al-Ghamdi, Zahid Ullah, Noor ul Qayyum, "Developing A Holistic Model For Assessing The Ict Impact On Organizations: A Managerial Perspective", Intelligent Automation And Soft Computing, pp. 1-21, 2018.  
DOI: [10.31209/2018.100000002](https://doi.org/10.31209/2018.100000002)
23. Zahid Ullah, Adidah Lajis, Mona Jamjoom, Abdulrahman Altalhi, Abdullah Al-Ghamdi, Farrukh Saleem, "The Effect Of Automatic Assessment On Novice Programming: Strengths And Limitations Of Existing Systems", Computer Applications In Engineering Education, 2018.  
DOI: [10.1002/cae.21974](https://doi.org/10.1002/cae.21974)

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24. Farrukh Saleem, Naomie Salim, Abdulrahman H., Abdullah AL-Malaise, Zahid Ullah, Fatmah A., Muhammad Haleem, "Comparative Study From Several Business Cases And Methodologies For Ict Project Evaluation", International Journal Of Advanced Computer Science And Applications, vol: 7, 2016.  
DOI: [10.14569/IJACSA.2016.070654](https://doi.org/10.14569/IJACSA.2016.070654)
25. Abdulrahman H. Altalhi, Abdullah AL-Malaise AL-Ghamdi, Zahid Ullah, Farrukh Saleem, "Developing A Framework And Algorithm For Scalability To Evaluate The Performance And Throughput Of Crm Systems", Intelligent Automation & Soft Computing, vol: 23, pp. 149-152, 2016.  
DOI: [10.1080/10798587.2016.1184830](https://doi.org/10.1080/10798587.2016.1184830)
26. Farrukh Saleem, Abdullah Al-Malaise, Zahid Ullah, "Building Framework For Ict Investments Evaluation: Value On Investment Perspective", Arpn Journal Of Engineering And Applied Sciences, Vol. 10, Issue 3, Pp. 1074-1079, 2015.
27. Farrukh Saleem, Naomie Salim, Ayman G Fayoumi, Abdullah S Al-Ghamdi, Zahid Ullah, "Comprehensive Study Of Information And Communication Technology Investments: A Case Study Of Saudi Arabia", Japan, 2013.
28. Zahid Ullah, Abdullah S Al-Mudimigh, Abdullah Al-Malaise Al-Ghamdi, Farrukh Saleem, "Critical Success Factors Of Erp Implementation At Higher Education Institutes: A Brief Case Study", International Information Institute (Tokyo). Information, 2013.
29. Zahid Ullah, Abdullah S. Al-Mudimigh, "Integration And Communication To Prevent Dirty Data: The Role Of Madar Projects", Information-An International Interdisciplinary Journal, Vol. 15 No. 8, 2012, Pp 3459-3468, 2012.
30. Hameed Ullah Khan, Zahid Ullah, Maqsood Mahmud, "Companies Performance In Stock Exchanges: Using Sequential Patterns-Algorithm", International Journal Of Physical Sciences 7, No. 1 (2012): 37-42., 2012.
31. Hameed Ullah Khan, Zahid Ullah, Maqsood Mahmud, "Companies Performance In Stock Exchanges: Using Sequential Patterns-Algorithm", International Journal Of Physical Sciences 7, No. 1 (2012): 37-42., 2012.
32. Abdullah S Al-Mudimigh, Zahid Ullah, "Effective Implementation Of Portals: Best Practice Model", International Journal Of Business And Management 6, No. 2 (2011): 46., 2011.
33. Abdullah S. Al-Mudimigh, Zahid Ullah, Talal Abdullah Alsubaie, "A Framework For Portal Implementation: A Case For Saudi Organizations", International Journal Of Information Management, vol: 31, pp. 38-43, 2011.  
DOI: [10.1016/j.ijinfomgt.2010.05.001](https://doi.org/10.1016/j.ijinfomgt.2010.05.001)
34. Abdullah S. Al-Mudimigh, Zahid Ullah, "Effective Implementation Of Portals: Best Practice Model", International Journal Of Business And Management, vol: 6, 2011.  
DOI: [10.5539/ijbm.v6n2p46](https://doi.org/10.5539/ijbm.v6n2p46)
35. Abdullah S. Al-Mudimigh, Basit Shahzad, Zahid Ullah, "Identification Of Methodology For Analysis Of The Risk Factors In Software Development Environment", Global Journal Of Computer Science Technology, 2010.
36. Hameed Ullah Khan, Zahid Ullah, Maqsood Mahmud, "Currencies Analysis Based On Stability: Using Apriori-Algorithm", International Journal Of Business And Management 5, No. 5 (2010): 57, 2010.
37. Abdullah S Al-Mudimigh, Zahid Ullah, Basit Shahzad, "Critical Success Factors In Implementing Portal: A Comparative Study", Global Journal Of Management And Business Research 10, No. 2 (2010), 2010.
38. Abdullah S. Al-Mudimigh, Farrukh Saleem, Zahid Ullah, "The Effects Of Data Mining In Erp-Crm Model: A Case Study Of Madar", Transaction On Computers, 2009.
39. Hameed Ullah Khan, Zahid Ullah, Maqsood Mahmud, "Data Mining Strategies And Methods To Develop Microfinance Market: Use Case Currency Exchange", Wseas Transactions On Business And Economics, 2009.