

Academic Resume



Nihal Abuzinadah

Assistant Professor, Computer Science Department

Contact Information.

Building 61, Room 112, Add. FCIT 1st floor, nabuznadah@kau.edu.sa.

Highest Degree.

2020, Doctorate of Philosophy, AI, Mixed and Augmented Reality in Education Technology, University of Surrey, UK.

Academic and Professional Experiences.

1. **2022 - Present**
Member of FCIT be a professional committee, FCIT, KAU.
2. **2022 - Present**
Deputy Manager of the Computer Skills Unit, KAU., , .
3. **2021 - Present**
Member of CPIT coordination committee, FCIT, KAU.
4. **2021 - Present**
Head of Computer and Information Technology, The Applied College, King Abdulaziz University, Jeddah. Saudi Arabia, , .
5. **2021 - Present**
Member of FCIT students contests committee, FCIT, KAU.
6. **2021 - 2022**
Consultant to The Vice Dean of Development, Faculty of Computing and Information Technology, KAU.
7. **2020 - Present**
Assistant Professor, CS Department, Faculty of Computing and Information Technology, King Abdulaziz University, Jeddah, Saudi Arabia.
8. **2016 - 2020**
Lecturer, Faculty of Computing and Information Technology, King Abdulaziz University, Jeddah, Saudi Arabia.
9. **2011 - 2014**
Head of Quality Assurance and Accreditation Unit Deanship of Distance Learning, King Abdulaziz University, Jeddah, Saudi Arabia, , .
10. **2009 - 2016**
Lecturer Deanship of Distance Learning, King Abdulaziz University, Jeddah, Saudi Arabia, , .
11. **2007 - 2010**
Head of Research, Consultation Unit Deanship of Distance Learning, King Abdulaziz University, Jeddah, Saudi Arabia.

Academic and Professional Experiences.

12. **2005 - 2011**
Head of Students Support Unit, Deanship of Distance Learning, King Abdulaziz University, Jeddah, Saudi Arabia.
13. **2004 - 2005**
Students Representative The Deliberation Committee, Business Administration Department, King Abdulaziz University, Jeddah, Saudi Arabia, , .
14. **2003 - 2009**
Teacher Assistant and lecturer to Freshman and Sophomore King Abdulaziz University, Jeddah, Saudi Arabia, , .
15. **2001 - 2003**
Head of Computer Center Collage of Health Science, Jeddah, Saudi Arabia, , .
16. **1999 - 2003**
Teacher Assistant and lecturer to Freshman and Sophomore Collage of Health Science, Jeddah, Saudi Arabia, , .

Research Interests.

Human Computer interaction, Educational Technology, Visualization, Artificial Intelligence, Natural Language Processing, Machine Learning, Augmented Reality, Mixed Reality, Cyber Security.

Teaching Interests.

Object Oriented Programming, Effective Leadership, Educational Technology, Intoduction to IT.

Certifications and Trainings.

1. - The customized version of the Blackboard E-Learning Management System, Deanship of E-Learning and Distance Education, King Abdulaziz University, Jeddah, Kingdom of Saudi Arabia..
2. Cybersecurity course, (15 hours course), The Fourth Dimension Center for Training in cooperation with King Abdulaziz University, Jeddah, Saudi Arabia..
3. King Abdulaziz University Winter Enrichment Program 2021 Artificial Intelligence, KAUWEP 2021.
4. The applications of artificial intelligence in social humanitarian and media field, Deanship of E-Learning and Distance Education, King Abdulaziz University, Jeddah, Saudi Arabia..
5. Using the E-exam system, Deanship of E-Learning and Distance Education, King Abdulaziz University, Jeddah, Kingdom of Saudi Arabia..
6. Ensuring equality in electronic assessment for preparatory year students, Deanship of E-Learning and Distance Education, King Abdulaziz University, Jeddah, Saudi Arabia..
7. Teaching and Learning Strategies: Be FAIR to your students, The University Development Center, King Abdulaziz University, Jeddah.
8. Design and Build Educational Objects, King Abdulaziz University, Jeddah, SA.
9. Blackboard Administrator, King Abdulaziz University, Jeddah, SA.
10. Sign Language Course, Jeddah Deaf Club, Jeddah, SA.
11. Technical Writing, University of Surrey, Guildford, UK.
12. How to use the Internet as a tool to improve course development, King Abdulaziz University, Jeddah, SA.
13. Setting SMART Goals Workshop, King Abdulaziz University, Jeddah, SA..
14. Quality Representative and Coordinators Tasks Workshop, King Abdulaziz University, Jeddah, SA..
15. The Second International Conference on e-Learning, Riyadh, SA..
16. The Distance Learning and International Quality challenges Seminar, Medina, SA..
17. The Quality of Distance Learning in Higher Education Seminar, Riyadh, SA.
18. The Second Strategic Plan of Deanship of Distance Learning Workshop, King Abdulaziz University, Jeddah, SA..
19. Graduate Preparation Program, Center for Teaching & Learning Development, King Abdulaziz University, Jeddah, SA.
20. The First International Conference on e-learning & Distance Learning, Riyadh, SA..
21. Studying Abroad Scholarship Preparation Training Course, Center for Teaching & Learning Development, King Abdulaziz University, Jeddah, SA.
22. The Second International Conference and Exhibition For Zain e-learning center, Manamah, Bahrain..
23. Operationalizing Quality Assurance in Online Course Design Workshop Manamah, Bahrain..
24. E-Learning & Quality Education & Training: Output Quality Assurance Symposium, Manamah, Bahrain..
25. The Use of Electronic Databases Workshop, King Abdulaziz University, Jeddah, SA...
26. Learning Technologies Workshop & Training Course, AlQassim, SA..
27. Projects Electronic Development Workshop, Haiel, SA..
28. Learning to Lead Workshop, King Abdulaziz University, Jeddah, SA..
29. ICDL, The International Computer Driving License; Training Course, King Abdulaziz University, Jeddah, SA..
30. EMES Training Course "Education Management Electronic System", King Abdulaziz University, Jeddah, SA..
31. Flash Macromedia Training course, King Abdulaziz University, Jeddah, SA..
32. The Internal Employee Rotation Workshop, King Abdulaziz University, Jeddah, SA..
33. ISO and its Multi Systems Workshop, King Abdulaziz University, Jeddah, SA..
34. Learning and Technology Symposium: Bridging the Divide, Effat College, Jeddah, SA..
35. Creative Childhood Symposium, Jeddah, SA.
36. Business Ethics Training Course, King Abdulaziz University, Jeddah, SA..

Certifications and Trainings.

37. The Educational Interaction Training Course, Girls College of Health Science, Jeddah, SA..
38. Design and Build Educational Objects, Dar Alhanan 1st Scientific Symposium, Jeddah, SA.
39. No Dull Moment in The Classroom - INTERACTIVE TOOLS ", he University Development Center, King Abdulaziz University, Jeddah..
40. Designing Effective Assessment, Center for Teaching and Learning Development, King Abdulaziz University, Jeddah..

Social, Scientific and Professional Affiliation.

1. -, PhD, Faculty of Engineering and Physical Sciences, University of Surrey.

Excellence Awards and Patents.

1. 2019, International, Best Presentation Award

Publications.

1. Nihal Abuzinadah, Turki Aljrees, Xiaoyuan Chen, Muhammad Umer, Omar Ibrahim Aboulola, Saba Tahir, Ala' Abdulmajid Eshmawi, Khaled Alnowaiser, Imran Ashraf, "Improving Traffic Accident Severity Prediction Using Convolved Features And Decision-Level Fusion Of Models", Transportation Research Record: Journal Of The Transportation Research Board, 2024.
DOI: [10.1177/03611981231220656](https://doi.org/10.1177/03611981231220656)
2. Nihal Abuzinadah, Sarath Kumar Posa, Aisha Ahmed Alarfaj, Ebtisam Abdullah Alabdulqader, Muhammad Umer, Tai-Hoon Kim, Shtwai Alsubai, Imran Ashraf, "Improved Prediction Of Ovarian Cancer Using Ensemble Classifier And Shaply Explainable Ai", Cancers, vol: 15, pp. 5793, 2023.
DOI: [10.3390/cancers15245793](https://doi.org/10.3390/cancers15245793)
3. Nihal Abuzinadah, Muhammad Umer, Abid Ishaq, Abdullah Al Hejaili, Shtwai Alsubai, Ala' Abdulmajid Eshmawi, Abdullah Mohamed, Imran Ashraf, Mohamed Hammad, "Role Of Convolutional Features And Machine Learning For Predicting Student Academic Performance From Moodle Data", Plos One, vol: 18, pp. e0293061, 2023.
DOI: [10.1371/journal.pone.0293061](https://doi.org/10.1371/journal.pone.0293061)
4. Nouf Abdullah Almujally, Turki Aljrees, Muhammad Umer, Oumaima Saidani, Danial Hanif, Nihal Abuzinadah, Khaled Alnowaiser, Imran Ashraf, "Iomt Based Smart Healthcare System To Control Outbreaks Of The Covid-19 Pandemic", Peerj Computer Science, vol: 9, pp. e1493, 2023.
DOI: [10.7717/peerj-cs.1493](https://doi.org/10.7717/peerj-cs.1493)
5. Turki Aljrees, Xiaochun Cheng, Mian Muhammad Ahmed, Muhammad Umer, Rizwan Majeed, Khaled Alnowaiser, Nihal Abuzinadah, Imran Ashraf, Mohamed Hammad, "Fake News Stance Detection Using Selective Features And Fakenet", Plos One, vol: 18, pp. e0287298, 2023.
DOI: [10.1371/journal.pone.0287298](https://doi.org/10.1371/journal.pone.0287298)
6. Xiaoyuan Chen, Turki Aljrees, Muhammad Umer, Hanen Karamti, Saba Tahir, Nihal Abuzinadah, Khaled Alnowaiser, Ala' Abdulmajid Eshmawi, Abdullah Mohamed, Imran Ashraf, "A Novel Approach For Explicit Song Lyrics Detection Using Machine And Deep Ensemble Learning Models", Peerj Computer Science, vol: 9, pp. e1469, 2023.
DOI: [10.7717/peerj-cs.1469](https://doi.org/10.7717/peerj-cs.1469)
7. Nouf Abdullah Almujally, Turki Aljrees, Oumaima Saidani, Muhammad Umer, Zaid Bin Faheem, Nihal Abuzinadah, Khaled Alnowaiser, Imran Ashraf, "Monitoring Acute Heart Failure Patients Using Internet-Of-Things-Based Smart Monitoring System", Sensors, vol: 23, pp. 4580, 2023.
DOI: [10.3390/s23104580](https://doi.org/10.3390/s23104580)
8. Nazik Alturki, Muhammad Umer, Abid Ishaq, Nihal Abuzinadah, Khaled Alnowaiser, Abdullah Mohamed, Oumaima Saidani, Imran Ashraf, "Combining Cnn Features With Voting Classifiers For Optimizing Performance Of Brain Tumor Classification", Cancers, vol: 15, pp. 1767, 2023.
DOI: [10.3390/cancers15061767](https://doi.org/10.3390/cancers15061767)
9. Hamza Ahmad Madni, Muhammad Umer, Nihal Abuzinadah, Yu-Chen Hu, Oumaima Saidani, Shtwai Alsubai, Monia Hamdi, Imran Ashraf, "Improving Sentiment Prediction Of Textual Tweets Using Feature Fusion And Deep Machine Ensemble Model", Electronics, vol: 12, pp. 1302, 2023.
DOI: [10.3390/electronics12061302](https://doi.org/10.3390/electronics12061302)
10. Shoroog Ghazee Khenkar, Salma Kammoun Jarraya, Arwa Allinjawi, Samar Alkhuraiji, Nihal Abuzinadah, Faris A. Kateb, "Deep Analysis Of Student Body Activities To Detect Engagement State In E-Learning Sessions", Applied Sciences, vol: 13, pp. 2591, 2023.
DOI: [10.3390/app13042591](https://doi.org/10.3390/app13042591)
11. Hamza Ahmad Madni, Muhammad Umer, Abid Ishaq, Nihal Abuzinadah, Oumaima Saidani, Shtwai Alsubai, Monia Hamdi, Imran Ashraf, "Water-Quality Prediction Based On H2o Automl And Explainable Ai Techniques", Water, vol: 15, pp. 475, 2023.
DOI: [10.3390/w15030475](https://doi.org/10.3390/w15030475)

Publications.

12. Nihal Esam Abuzinadah, Areej Abbas Malibari, Arwa Abdulaziz Allinjawawi, Paul Krause, "Learning Programming For Hearing Impaired Students Via An Avatar", International Journal Of Business, Human And Social Sciences: 13.0 (1)., 2020.
13. Hassanin M. Al-Barhamtoshy, Nihal E. Abuzinadah, Ahmed 3., Tarik F. 4., Areej A. 5 and, Arwa A. Allinjawawi, "Development Of An Intelligent Arabic Text Translation Model For Deaf Students Using State Of The Art Information Technology", Bioscience Biotechnology Research Communications, vol: 12, pp. 338-345, 2019.
DOI: [10.21786/bbrc/12.2/17](https://doi.org/10.21786/bbrc/12.2/17)
14. Nihal Esam, Areej Abbas, Paul Krause, "Towards Empowering Hearing Impaired Students' Skills In Computing And Technology", International Journal Of Advanced Computer Science And Applications, vol: 8, 2017.
DOI: [10.14569/IJACSA.2017.080116](https://doi.org/10.14569/IJACSA.2017.080116)