

Academic Resume



Arwa Noor Wali

Assistant Professor, Information Systems Department

My research interests: Data Mining, Machine Learning, and Information Security

Contact Information.

Building 61, Room 177s, Add. King Abdulaziz University, Collage of Computing and Information Technology, Saudi Arabia, Jeddah, amwali@kau.edu.sa.

Highest Degree.

2018, , Computer Science, Data Mining and Fingerprinting, New Jersey Institute of Technology, USA.

Academic and Professional Experiences.

1. **2021 - Present**
PhD Program Coordinator, Computing Information Systems Department, Jeddah, Saudi Arabia, King Abdulaziz University (KAU).
2. **2019 - 2021**
Blackboard Coordinator, Jeddah, Saudi Arabia, Computing Information Systems Department, King Abdulaziz University (KAU).
3. **2019 - 2019**
Web Chair, United States, 12th International Conference on Similarity Search and Applications (SISAP 2019).
4. **2018 - Present**
Assistant Professor, Jeddah, Saudi Arabia, Computing Information Systems Department, Faculty of Computing and Information Technology, King Abdulaziz University (KAU).
5. **2017 - Present**
Member of the Association for Computing Machinery (ACM), , .
6. **2016 - 2017**
Adjunct Instructor, United States, Computer Science Department, College of Computing and Information Sciences, New Jersey Institute of Technology (NJIT).
7. **2015 - 2015**
Teacher Assistant (TA), United States, Computer Science Department, College of Computing and Information Sciences, New Jersey Institute of Technology (NJIT).
8. **2015 - 2015**
International Internship Program, Tokyo, Japan, National Institute of Informatics (NII).
9. **2012 - 2014**
Member of Integrating Learning Resources for Information Security Research and Education (iSECURE) Team, NSF collaborative grant DUE1241687, DUE1241976, and DUE 1241704, United States, New Jersey Institute of Technology (NJIT).

Academic and Professional Experiences.

10. **2007 - 2018**
Teacher Assistant (TA), Jeddah, Saudi Arabia, Computing Information Systems Department, Faculty of Computing and Information Technology, King Abdulaziz University (KAU).
11. **2005 - 2006**
Computer Section Principle, Jeddah, Saudi Arabia, Deanship of Community Service and Continuing Education, King Abdulaziz University (KAU).
12. **2003 - 2005**
IT Support and programmer in the Computer Unit, Jeddah, Saudi Arabia, Deanship of Community Service and Continuing Education, King Abdulaziz University (KAU).

Research Interests.

Information and Database Security, Database, Distributed Databases, Data Mining, Machine Learning.

Teaching Interests.

Data Science Courses, Database Management Systems, Information Security.

Certifications and Trainings.

1. Attendance Certificate for Workshop of, How to Publish in High-Impact Journals Work, Center of Excellence In Genomic Medicine Research (CEGMR) , KAU.
2. Attendance Certificate for Workshop of, Digital Resources, Research, and References, Center of Teaching and Learning Development, KAU.
3. Attendance Certificate for Workshop of, Digital Resources for Science and Engineering, Center of Teaching and Learning Development, KAU.
4. Attendance Certificate for Workshop of, Ideal practice in assessment and design of multiple-choice questions tests and evaluation table, Deanship of Quality and Academic Accreditation, KAU.
5. Student Scholarship to Attend ACM celebration of 50 years of the Turing Award.
6. Graduate Certificate in Business and information Systems implementations, YWCC, NJIT.
7. Huawei Certification in Storage (HCIA-Storage).
8. Huawei Certification in AI (HCIA-AI).
9. Diploma of Professional Development in Teaching and Learning, Center for Teaching & Learning Development in KAU.
10. IBM Artificial Intelligence Analyst Certificate.
11. Diploma of KAU Scholars, Center for Teaching & Learning Development in KAU.

Social, Scientific and Professional Affiliation.

1. 2018-Present, Assistant Professor, Information Systems Department, Faculty of Computing and Information Technology, King Abdulaziz University.

Excellence Awards and Patents.

1. 2022, Interior, President Award for Excellence and Creativity in E-Learning - E-Courses Branch, King Abdulaziz University- Deanship of E-Learning and Distance Education.

Funded Projects.

1. 2020, Improving the Binary Fingerprinting using Indexing and Compression, Deanship of Scientific Research, Deanship of Scientific Research, KAU.

Publications.

1. Arwa Wali, Fatimah Alshehry, "A Survey Of Security Challenges In Cloud-Based Scada Systems", Computers, vol: 13, pp. 97, 2024.
DOI: [10.3390/computers13040097](https://doi.org/10.3390/computers13040097)
2. Hanan A. Batarfi, Olaa A. Alsaedi, Arwa M. Wali, Amani T. Jamal, "Impact Of Data Augmentation On Hate Speech Detection", Innovations For Community Services, 2023.
3. Arwa Wali, Modi Alfrihidi, Nada Alasiri, Najah Alsabei, "Aawn: An Interactive Mobile Application For Improving The Communication Skills Of Arab Children With Autism", Tem Journal, pp. 1307-1315, 2023.
DOI: [10.18421/TEM123-10](https://doi.org/10.18421/TEM123-10)
4. Dimah Alahmadi, Arwa M. Wali, Sarah Alzahrani, "Taam: Topic-Aware Abstractive Arabic Text Summarisation Using Deep Recurrent Neural Networks", Journal Of King Saud University - Computer And Information Sciences, 2022.
5. Emad A. Alharbi, Layek L. Abdel-Malek, R. John Milne, Arwa M. Wali, "Analytical Model For Enhancing The Adoptability Of Continuous Descent Approach At Airports", Applied Sciences, vol: 12, pp. 1506, 2022.
DOI: [10.3390/app12031506](https://doi.org/10.3390/app12031506)
6. Kawther Saeedi, Arwa Wali, Dema Alahmadi, Amal Babour, Faten AlQahtani, Rawan AlQahtani, Raghad Khawaja, Zaina Rabah, "Building A Blockchain Application: A Showcase For Healthcare Providers And Insurance Companies", Conference On Future Technologies Conference (Ftc), 2019.
7. Michael E. Houle, Vincent Oria, Kurt R. Rohloff, Arwa M. Wali, "Lid-Fingerprint: A Local Intrinsic Dimensionality-Based Fingerprinting Method", 2018.
8. Michael E. Houle, Vincent Oria, Arwa M. Wali, "Improving K-Nn Graph Accuracy Using Local Intrinsic Dimensionality", 2017.
9. James Geller, Soon Ae Chun, Arwa Wali, "A Hybrid Approach To Developing A Cyber Security Ontology", 3rd International Conference On Data Management Technologies And Applications, Location : Vienna, Austria, 2014.
10. Soon Ae Chun, James Geller, Arwa Wali, "Developing Cyber Security Ontology And Linked Data Of Security Knowledge Network.", The 27th International Conference Of The Florida Artificial Intelligence Research Society (Flairs-27), 2014.
11. Arwa Wali, Soon Ae Chun, James Geller, "A Bootstrapping Approach For Developing A Cyber-Security Ontology Using Textbook Index Terms", 2013 Eighth International Conference On Availability, Reliability And Security (Ares), Location : Regensburg, Germany, 2013.