Academic Resume

Dimah Alahmadi

Associate Professor, Information Systems Department

I am an academic in Information Systems Department. I am interested in doing research in the area of Artificial intelligent and applied machine learning applications such as recommendation systems and text mining. I enjoy teaching the latest technological topics and ensuring the best practise especially in the domain of machine learning and data science. I worked as a team member in different projects at the KAU.

Contact Information.

Room 168, Ext. 27157, dalahmadi@kau.edu.sa.

Highest Degree.

2016, , RECOMMENDER SYSTEMS BASED ON ONLINE SOCIAL NETWORKS -AN IMPLICIT SOCIAL TRUST AND SENTIMENT ANALYSIS APPROACH, Manchester University, UK.

Academic and Professional Experiences.

1. **2017 - 2018**
   Assistant professor at FCIT, Jeddah, King abdulaziz university.
2. **2002 - 2009**
   Teacher assistant in the faculty of computing and information technology, Jeddah, KAU.
3. **2000 - 2001**
   TA, Jeddah, KAU.

Research Interests.

Artificial Intelligence, Natural language processing, Recommender systems.

Teaching Interests.

Recommendation Systems, Machine Learning and Data Science, NLP.

Certifications and Trainings.

1. Diploma of heads departments and supervisors..
2. How to supervise a PHD STUDENT.
3. How to be a good researcher.
4. Diploma of professional development of teaching and learning.
5. Workshop Guidance to Assessment and Exam Blueprint.

Social, Scientific and Professional Affiliation.

1. 2017-Present, Assistant Professor, KAU.
2. 2022-Present, Associate Professor, KAU.

Last Profile Update: February 26, 2024

Funded Projects.

1. 2019, Ensuring Inclusion and Diversity in Research and Research Output: A Case for a Language-Sensitive NLP Crowdsourcing Platform, KAU, In 2019, I got a granted research from the Deanship of Scientific Research,.

Publications.

1. Bodor Moheel Almotairy, Manal Abdullah, Dimah Hussein Alahmadi, "Dataset For Detecting And Characterizing Arab Computation Propaganda On X", Data In Brief, vol: 53, pp. 110089, 2024.
   DOI: 10.1016/j.dib.2024.110089

2. Bodor Moheel Almotairy, Manal Abdullah, Dimah Alahmadi, "Detection Of Computational Propaganda On Social Networks: A Survey", vol: 739, pp. 244-263, 2023.
   DOI: 10.1007/978-3-031-37963-5_18

3. Kawther Saeedi, Anna Visvizi, Dimah Alahmadi, Amal Babour, "Smart Cities And Households' Recyclable Waste Management: The Case Of Jeddah", Sustainability, vol: 15, pp. 6776, 2023.
   DOI: 10.3390/su15086776

4. Amal Babour, Hind Bitar, Ohoud Alzamzami, Dimah Alahmadi, Amal Barsheed, Amal Alghamdi, Hanadi Almshjary, "Intelligent Gloves: An It Intervention For Deaf-Mute People", Journal Of Intelligent Systems, vol: 32, 2023.
   DOI: 10.1515/jisys-2022-0076

5. Bushra Alsaadi, Dimah Alahmadi, "Audience-Centered Approach For Health Communication Over Social Media During Pandemic: Persona Template Based On Delphi Technique", International Journal Of Human–Computer Interaction, pp. 1-13, 2022.
   DOI: 10.1080/10447318.2022.2144125

6. Dimah Hussein Alahmadi, Arwa A. Jamjoom, "Decision Support System For Handling Control Decisions And Decision-Maker Related To Supply Chain", Journal Of Big Data, vol: 9, 2022.
   DOI: 10.1186/s40537-022-00653-9

7. Ghada Amoudi, Amal Almansour, Carolyn Watters, Dimah Alahmadi, Fatimah Alruwaili, Sara Alzahrani, "Tweet For Help: The Role Of Social Media In Disaster Events And The Case Of The 2015 Mina Stampede", Digital Creativity, pp. 1-20, 2022.
   DOI: 10.1080/14626268.2022.2141262

8. Dimah Alahmadi, Arwa Wali, Sarah Alzahrani, "Taam: Topic-Aware Abstractive Arabic Text Summarisation Using Deep Recurrent Neural Networks", Journal Of King Saud University - Computer And Information Sciences, vol: 34, pp. 2651-2665, 2022.
   DOI: 10.1016/j.jksuci.2022.03.026

9. Dimah H. Alahmadi, Fatmah Abdulrahman Baothman, Mona M. Alrajhi, Fatimah S. Alshahrani, Hawazin Z. Albalawi, "Comparative Analysis Of Blockchain Technology To Support Digital Transformation In Ports And Shipping", Journal Of Intelligent Systems, vol: 31, pp. 55-69, 2021.
   DOI: 10.1515/jisys-2021-0131

10. Wei Wang, Dimah Alahmadi, "Dynamic Nonlinear Correction Processing Of Pressure Sensor Test Signal In Internet Of Things System", Article, 2021.

11. Bushra Sader Alsaadi, Dimah Alahmadi, "&Amp;Quot;The Use Of Persona Towards Human-Centered Design In Health Field: Review Of Types And Technologies", Article, 2021.

12. Hana A. ALSAADI, Dhefaf T. RADAIN, Maysoon M. ALZAHRANI, Wahj F. ALSHAMMARI, Dimah ALAHMADI, Bahjat FAKIEH, "Factors That Affect The Utilization Of Low-Code Development Platforms: Survey Study", Article, 2021.

13. Dimah Alahmadi , Hind Bitar , Hana ALsaadi 3 , Lamees Boker 4 , Linah Alghamdi 5, "Using Augmented Reality To Enhance Medical Education In Heart Diseases: Action Design Research", Tem Journal, 2021.

14. Fatimah Alruwaili, Dimah Alahmadi, "Enhanced Clustering-Based Mooc Recommendations Using Linkedin Profiles (Mr-Li)", (Ijacsa) International Journal Of Advanced Computer Science And Applications, 2021.

15. Dimah Alahmdi, Athir Saeed Alghamdi, Neda'a Almuallim, Suaad Alarifi, "Mtreadable: Arabic Readability Corpus For Medical Tests Information", Ijcsns International Journal Of Computer Science And Network Security, 2021.

Publications.

16. Nada Abdullah Alrehaili, Muhammad Ahtisham Aslam, Dimah Hussein Alahmadi, Dina Abdullah Alrehaili, Muhammad Asif, Muhammad Sheraz Arshad Malik, Muhammad Ahmad, "Ontology-Based Smart System To Automate Higher Education Activities", Complexity, vol: 2021, pp. 1-20, 2021.

    DOI: 10.1155/2021/5588381

17. Amal Babour , Javed I. Khan Author , Fatema Nafa , Kawther Saeedi , Dimah Alahmadi, "Discovery Engine For Finding Hidden Connections In Prose Comprehension From References", International Journal Of Advanced Computer Science And Applications(Ijacsa), Volume 12 Issue 1, 2021., 2021.

18. Sara Alzahrani , Fatimah Alruwaili , Dimah Alahmadi and Kawther Saeedi, "Tb-Sac: Topic-Based And Sentiment Classification For Saudi Dialects Tweets", Ijcsns International Journal Of Computer Science And Network Security, 2020.

19. Afnan Bayazed , Ola Torabah , Redha AlSulami , Dimah Alahmadi , Amal Babour , Kawther Saeedi, "Sdct: Multi-Dialects Corpus Classification For Saudi Tweets", (Ijacsa) International Journal Of Advanced Computer Science And Applications, 2020.

20. Dimah Alahmadi, Amal Babour, Kawther Saeedi, Anna Visvizi, "Ensuring Inclusion And Diversity In Research And Research Output: A Case For A Language-Sensitive Nlp Crowdsourcing Platform", Applied Sciences, vol: 10, pp. 6216, 2020.

    DOI: 10.3390/app10186216

21. Bashayer Alotaibi , Rabeeh Ayaz Abbasi , Muhammad Ahtisham Aslam , Kawther Saeedi , Dimah Alahmadi, "Startup Initiative Response Analysis (Sira) Framework For Analyzing Startup Initiatives On Twitter", Journal, 2020.

22. Kawther Saeedi, Arwa Wali, Dema Alahmadi, Amal Babour, Faten AlQahtani, Rawan AlQahtani, Raghad Khawaja, Zaina Rabah, "Building A Blockchain Application: A Show Case For Healthcare Providers And Insurance Companies", Proceedings Of The Future Technologies Conference (Ftc) 2019, Proceedings Of The Future Technologies Conference (Ftc) 2019, vol: 1069, pp. 785-801, 2019.

    DOI: 10.1007/978-3-030-32520-6_57

23. Yasamyian Almutairi, Manal Abdullah, Dimah Alahmadi, "Review Helpfulness Prediction: Survey", Periodical Of Engineering And Natural Sciences, 2019.

24. Dimah Alahmadi, Xaio-Jun Zeng, "Improving Recommendation Using Trust And Sentiment Inference From Osns", International Journal Of Knowledge Engineering-Iacsit, vol: 1, pp. 9-17, 2015.

    DOI: 10.7763/IJKE.2015.V1.2

25. Dimah Hussain Alahmadi, Xiao-Jun Zeng, "Twitter-Based Recommender System To Address Cold-Start: A Genetic Algorithm Based Trust Modelling And Probabilistic Sentiment Analysis", 2015 Ieee 27th International Conference On Tools With Artificial Intelligence (Ictai), pp. 1045-1052, 2015.

    DOI: 10.1109/ICTAI.2015.149

26. Dimah H. Alahmadi, Xiao-Jun Zeng, "Ists: Implicit Social Trust And Sentiment Based Approach To Recommender Systems", Expert Systems With Applications, vol: 42, pp. 8840-8849, 2015.

    DOI: 10.1016/j.eswa.2015.07.036