

Academic Resume



Amal Almansour

Associate Professor, Computer Science Department

PhD graduate in Informatics (KCL London) with academic experience aiming to bring my knowledge and experience to practice.

(Data Science - Data Mining - Social Computing - Information Retrieval)

Contact Information.

Building 52, Room 116, Add. Faculty of Computing and Information Technology, aalmansour@kau.edu.sa.

Highest Degree.

2016, Doctor Of Philosophy in Informatics, Data Mining, Kings College London, UK.

Academic and Professional Experiences.

1. **2024 - Present**
Associate Professor, , .
2. **2021 - 2022**
Adjunct Assistant Professor, New York City, USA, The City College of New York.
3. **2019 - 2021**
Head of Public Relations, Jeddah, Saudi Arabia, Faculty of Computing and Information Technology, King Abdul Aziz University.
4. **2017 - 2023**
Assistant Professor, Jeddah, Saudi Arabia, Faculty of Computing and Information Technology, King Abdul Aziz University.

Research Interests.

Data Mining and Machine Learning, Social Computing and Mining Social Networks, Information Retrieval.

Teaching Interests.

Artificial Intelligence, Data Science.

Certifications and Trainings.

1. Professional Communication for Non-Native English, University of Chicago, Graham School. Chicago, U.S.A, May 2011.
2. Effective Negotiation Skills, University College London, UK, Oct 2011..
3. Statistical Computing Without Tears, University College London, UK, Oct 2011.
4. Enterprise Boot Camp, University College London, UK, Nov 2011.
5. Women Managers in Industry, Non-Profit and Government, University College London, UK, Feb 2012.
6. Skills for Conflict Resolution, University College London, UK, Mar 2012.
7. Adaptive Modelling of Complex Data, University College London, UK, Mar 2012.
8. Introduction to Data Science and Big Data Analytics, LSE Methods Summer Program, London, United Kingdom, Aug 2017.

Social, Scientific and Professional Affiliation.

1. -, Member, 2014, 2015 LSD & LAW - London Stringology Days & London Algorithmic Workshop by the Algorithms & Data Analysis research group at King's College London.
2. -, Technical Committee Member, 2017 IEEE 2nd International Conference on Big Data Analysis (ICBDA 2017), Beijing, China March 2017.

Excellence Awards and Patents.

1. 2021, International, U.S. Fulbright, Awarded to teach and research in CUNY, New York City, USA.

Publications.

1. Ahmed Barnawi, Krishan Kumar, Neeraj Kumar, Bander Alzahrani, Amal Almansour, "A Deep Learning Approach For Landmines Detection Based On Airborne Magnetometry Imaging And Edge Computing", Computer Modeling In Engineering & Sciences, vol: 139, pp. 2117-2137, 2024.
DOI: [10.32604/cmes.2023.044184](https://doi.org/10.32604/cmes.2023.044184)
2. Ahmed Barnawi, Krishan Kumar, Neeraj Kumar, Nisha Thakur, Bander Alzahrani, Amal Almansour, "Unmanned Ariel Vehicle (Uav) Path Planning For Area Segmentation In Intelligent Landmine Detection Systems", Sensors, vol: 23, pp. 7264, 2023.
DOI: [10.3390/s23167264](https://doi.org/10.3390/s23167264)
3. Yasmin Einieh, Amal AlMansour, Amani Jamal, "Arabic Extractive Summarization Using Pre-Trained Models", Journal Of King Abdulaziz University (Computing And Information Technology Sciences), 2023.
4. SARAH ALSUBHI, AREEJ ALHOTHALI, and AMAL ALMANSOR, "Arabig5: The Big Five Personality Traits Prediction Using Machine Learning Algorithm On Saudi Arabic Tweets", Ieee Access, 2023.
5. Evizal Abdul Kadir, Akram Alomainy, Hsiang Tsung Kung, Amal Abdullah AlMansour, Hitoshi Irie, Sri Listia Rosa, and Shukor Sanim Mohd Fauzi, "Wildfire Hotspots Forecasting And Mapping For Environmental Monitoring Based On Long Short-Term Memory Networks Deep Learning Algorithm", Environments, 2023.
6. Evizal Abdul Kadir, Hsiang Tsung Kung, Arbi Haza Nasution, Hanita Daud, Amal Abdullah AlMansour, Mahmud Othman, Sri Listia Rosa, "Fires Hotspot Forecasting In Indonesia Using Long Short-Term Memory Algorithm And Modis Datasets", pp. 589-602, 2023.
DOI: [10.1007/978-3-031-29916-2_35](https://doi.org/10.1007/978-3-031-29916-2_35)
7. Ahmed Barnawi, Nisha Thakur, Neeraj Kumar, Krishan Kumar, Bander Alzahrani, Amal Almansour, "Classification Of Area Of Interest Based On 2d Map Using Segmentation For Path Planning Of Airborne Landmines Detection", 2023 Ieee International Conference On Consumer Electronics (Icce), pp. 1-6, 2023.
DOI: [10.1109/ICCE56470.2023.10043580](https://doi.org/10.1109/ICCE56470.2023.10043580)
8. Norah AlShammari, Amal AlMansour, "Aspect-Based Sentiment Analysis And Location Detection For Arabic Language Tweets", Applied Computer Systems, vol: 27, pp. 119-127, 2023.
DOI: [10.2478/acss-2022-0013](https://doi.org/10.2478/acss-2022-0013)
9. Yasmin Einieh, Amal AlMansour, "Deep Learning In Arabic Text Summarization: Approaches, Datasets, And Evaluation Metrics", 2022 20th International Conference On Language Engineering (Esolec), pp. 45-49, 2022.
DOI: [10.1109/ESOLEC54569.2022.10009528](https://doi.org/10.1109/ESOLEC54569.2022.10009528)
10. Yasmin Einieh, Amal Almansour, Amani Jamal, "Fine Tuning An Arat5 Transformer For Arabic Abstractive Summarization", 2022 14th International Conference On Computational Intelligence And Communication Networks (Cicn), pp. 194-198, 2022.
DOI: [10.1109/CICN56167.2022.10008272](https://doi.org/10.1109/CICN56167.2022.10008272)
11. 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](https://doi.org/10.1080/14626268.2022.2141262)
12. Ghada Amoudi, Amal Almansour, Hanan Saleh Alghamdi, "Improved Graph-Based Arabic Hotel Review Summarization Using Polarity Classification", Applied Sciences, vol: 12, pp. 10980, 2022.
DOI: [10.3390/app122110980](https://doi.org/10.3390/app122110980)
13. Sri Listia Rosa, Evizal Abdul Kadir, Qammer Hussain Abbasi, Amal Abdullah Almansour, Mahmud Othman, Apri Siswanto, "Patient Monitoring And Disease Analysis Based On Iot Wearable Sensors And Cloud Computing", 2nd International Conference On Electrical, Computer, Communications And Mechatronics Engineering (Iceccme 2022),, 2022.

Publications.

14. Ahmed Barnawi, Neeraj Kumar, Ishan Budhiraja, Krishan Kumar, Amal Almansour, Bander Alzahrani, "Deep Reinforcement Learning Based Trajectory Optimization For Magnetometer-Mounted Uav To Landmine Detection", Computer Communications, vol: 195, pp. 441-450, 2022.
DOI: [10.1016/j.comcom.2022.09.002](https://doi.org/10.1016/j.comcom.2022.09.002)
15. Ahmed Barnawi, Ishan Budhiraja, Krishan Kumar, Neeraj Kumar, Bander Alzahrani, Amal Almansour, Adeeb Noor, "A Comprehensive Review On Landmine Detection Using Deep Learning Techniques In 5g Environment: Open Issues And Challenges", Neural Computing And Applications, 2022.
DOI: [10.1007/s00521-022-07819-9](https://doi.org/10.1007/s00521-022-07819-9)
16. Najla Bagais, Etimad Fadel, Amal Al-Mansour, "An Efficient Path Planning Strategy In Mobile Sink Wireless Sensor Networks", Computers, Materials & Continua, vol: 73, pp. 1237-1267, 2022.
DOI: [10.32604/cmc.2022.026070](https://doi.org/10.32604/cmc.2022.026070)
17. Amal Almansour, Reem Alotaibi, Hajar Alharbi, "Text-Rating Review Discrepancy (Trrd): An Integrative Review And Implications For Research", Future Business Journal, vol: 8, 2022.
DOI: [10.1186/s43093-022-00114-y](https://doi.org/10.1186/s43093-022-00114-y)
18. Mehrez Boulares, Reem Alotaibi, Amal AlMansour, Ahmed Barnawi, "Cardiovascular Disease Recognition Based On Heartbeat Segmentation And Selection Process", International Journal Of Environmental Research And Public Health, vol: 18, pp. 10952, 2021.
DOI: [10.3390/ijerph182010952](https://doi.org/10.3390/ijerph182010952)
19. Aseel Addawood, Sultanah M Alshammari, Amal A Alqahtani, Amal A Almansour, "Analytical Study Of The Non-Pharmaceutical Public Health Interventions To Control The Novel Coronavirus Disease 2019 (Covid-19)", 2020 International Conference On Social Computing, Behavioral-Cultural Modeling & Prediction And Behavior Representation In Modeling And Simulation, 2020.
20. Norah Fahad Alshammari, Amal Abdullah AlMansour, "Aspect-Based Sentiment Analysis For Arabic Content In Social Media", 2020 International Conference On Electrical, Communication, And Computer Engineering (Icecce), pp. 1-6, 2020.
DOI: [10.1109/ICECCE49384.2020.9179327](https://doi.org/10.1109/ICECCE49384.2020.9179327)
21. Amal Almansour, Ghada Alsaedi, Haifaa Almazroui, Huda Almuflehi, "I-Privacy Photo: Face Recognition And Filtering", Iccda 2020: 2020 The 4th International Conference On Compute And Data Analysis, pp. 131-141, 2020.
DOI: [10.1145/3388142.3388161](https://doi.org/10.1145/3388142.3388161)
22. Norah Fahad Alshammari, Amal Abdullah AlMansour, "State-Of-The-Art Review On Twitter Sentiment Analysis", 2019 2nd International Conference On Computer Applications & Information Security (Iccais), pp. 1-8, 2019.
DOI: [10.1109/CAIS.2019.8769465](https://doi.org/10.1109/CAIS.2019.8769465)
23. Sheymaa Almalki, Hajer Almalki, Amal Almansour, "Detecting Deceptive Images In Online Content", 2018 14th International Conference On Signal-Image Technology & Internet-Based Systems (Sitis), pp. 380-386, 2018.
DOI: [10.1109/SITIS.2018.00066](https://doi.org/10.1109/SITIS.2018.00066)
24. Wafaa Daffa, Omaimah Bamasag, Amal AlMansour, "A Survey On Spam Urls Detection In Twitter", 2018 1st International Conference On Computer Applications & Information Security (Iccais), pp. 1-6, 2018.
DOI: [10.1109/CAIS.2018.8441975](https://doi.org/10.1109/CAIS.2018.8441975)
25. Afnan Abdulmuin Alharbi, Hamdah Abdullah Alotebii, Amal Abdullah AlMansour, "Towards Measuring Happiness In Saudi Arabia Based On Tweets: A Research Proposal", 2018 1st International Conference On Computer Applications & Information Security (Iccais), pp. 1-4, 2018.
DOI: [10.1109/CAIS.2018.8442024](https://doi.org/10.1109/CAIS.2018.8442024)

Publications.

26. Amal Abdullah AlMansour, "Twitter Features Distributions Across Similar Labelers", 2017 13th International Computer Engineering Conference (Icenco), pp. 405-410, 2017.
DOI: [10.1109/ICENCO.2017.8289823](https://doi.org/10.1109/ICENCO.2017.8289823)
27. Amal Abdullah AlMansour, "Credibility Perception For Arab Users", vol: 16, pp. 1030-1038, 2017.
DOI: [10.1007/978-3-319-56991-8_80](https://doi.org/10.1007/978-3-319-56991-8_80)
28. Amal Abdullah Al Mansour, "Labeling Agreement Level And Classification Accuracy", 2016 12th International Conference On Signal-Image Technology & Internet-Based Systems (Sitis), pp. 271-274, 2016.
DOI: [10.1109/SITIS.2016.51](https://doi.org/10.1109/SITIS.2016.51)
29. Amal Abdullah AlMansour, Costas S. Iliopoulos, "Using Arabic Microblogs Features In Determining Credibility", The 2015 Ieee/Acm International Conference, pp. 1212-1219, 2015.
DOI: [10.1145/2808797.2808819](https://doi.org/10.1145/2808797.2808819)
30. Amal Abdullah AlMansour, Ljiljana Brankovic, Costas S. Iliopoulos, "Evaluation Of Credibility Assessment For Microblogging", I-Know & Proceedings Of The 14th International Conference On Knowledge Technologies And Data-Driven Business, pp. 1-4, 2014.
DOI: [10.1145/2637748.2638439](https://doi.org/10.1145/2637748.2638439)
31. Amal Abdullah AlMansour, Ljiljana Brankovic, Costas S Iliopoulos, "A Model For Recalibrating Credibility In Different Contexts And Languages - A Twitter Case Study", International Journal Of Digital Information And Wireless Communications, vol: 4, pp. 53-62, 2014.
DOI: [10.17781/P001083](https://doi.org/10.17781/P001083)
32. Lisa Madlberger, Amal Almansour, "Predictions Based On Twitter ??? A Critical View On The Research Process", 2014 International Conference On Data And Software Engineering (Icodse), pp. 1-6, 2014.
DOI: [10.1109/ICODSE.2014.7062667](https://doi.org/10.1109/ICODSE.2014.7062667)
33. AlMansour, Amal Abdullah, "Towards Customizing Credibility In Different Contexts: Languages, Topics And Locations-A Twitter Case Study", The International Conference On Digital Information Processing, E-Business And Cloud Computing (Dipecc2013), 2013.
34. Noaman, Amin Y., and Amal Abdullah AlMansour, "A Comparative Study Between Two Types Of Database Management Systems: Xml-Enabled Relational And Native Xml", World Applied Sciences Journal, 2012.
35. Noaman, Amin Y., and Amal AlMansour, "Towards Achieving An Optimum Performance Of Xml Data Into Both Types Of Xml Databases: Xml-Enabled Databases And Native Xml Databases", Middle-East Journal Of Scientific Research, 2012.