Academic Resume
Nahed Alowidi

Assistant Professor, Computer Science Department

Contact Information.

Building 61, Room 112, nalowidi@kau.edu.sa.

Highest Degree.

2018, PhD, Machine learning, University of Brimingham, UK.

Academic and Professional Experiences.

1. **2022 - Present**
   Member of ABET Committee, CS department, King Abdulaziz University, Jeddah, Saudi Arabia.
2. **2018 - Present**
   Assistant Professor, CS department, King Abdulaziz University, Jeddah, Saudi Arabia.
3. **2018 - Present**
   Academic Advisor, CS department, King Abdulaziz University, Jeddah, Saudi Arabia.
4. **2018 - 2022**
   Member of Equivalency Committee, CS department, King Abdulaziz University, Jeddah, Saudi Arabia.
5. **2018 - 2022**
   Member of Senior Projects Tracks and Quality Committee, CS department, King Abdulaziz University, Jeddah, Saudi Arabia.

Research Interests.

Computer vision, Deep learning, Machine learning, Internet of Things, Probabilistic modeling.

Teaching Interests.

Artificial intelligence, Machine learning, Computer vision, Deep learning, Discrete mathematics.

Last Profile Update: May   05, 2024

Certifications and Trainings.

1. Time Management, Graduate School, University of Birmingham..
2. Speed Reading, Graduate School, University of Birmingham..
3. Note Taking, Graduate School, University of Birmingham..
4. Learning from Data, Yaser Abu-Mostafa, California Institute of Technology. (online).
5. Intelligent Data Analysis, Peter Tino, University of Birmingham..
6. Probabilistic Graphical Models, courser, Daphne Koller, Stanford University. (online).
7. Research skills, Peter Hancox, University of Birmingham..
8. Machine Learning, courser, Andrew Ng, Stanford University. (online).
9. SAP ADM530 SAP NetWeaver on DB2 UDB for z/OS: Database Administrator, IBM center, Montpellier, France..
10. Teaching Assistants'' Training Programs (English Language, scientific research, and scientific writing methods), Center for Teaching & Learning Development, King Abdulaziz University..
11. Oracle, Deanship of Information Technology, King Abdulaziz University..
12. Oracle SQL, Deanship of Information Technology, King Abdulaziz University.
13. How to prepare, write, and publish scientific articles, Center for Teaching & Learning Development, King Abdulaziz University..
14. Academic search skills with Google service and database, Center for Teaching & Learning Development, King Abdulaziz University..
15. End Note, Center for Teaching & Learning Development, King Abdulaziz University..
16. Introduction to SPSS, Deanship of Information Technology, King Abdulaziz University..
17. Academic Writing, Center for Teaching & Learning Development, King Abdulaziz University..
18. English language training course: Intensive computer, Jeddah training center..
19. Designing effective assessment, FCIT, King Abdulaziz University.
20. No dull moment in the classroom - interactive tools, FCIT, King Abdulaziz University.
21. Overview of intellectual property and patents, FCIT, King Abdulaziz University.
22. Active learning strategies, FCIT, King Abdulaziz University.

Social, Scientific and Professional Affiliation.

1. -, Member, IEEE.

Excellence Awards and Patents.

1. 2012, Interior, The best scientific publication in computer science
2. 2023, International, Silver prize, Seoul international invention fair.
3. 2023, International, Thailand award for the best international invention and innovation, National research council of Thailand.
4. 2023, International, Special award, Indonesian invention and innovation promotion association.
5. 2023, International, Special prize, Malaysian association of research scientist.

Publications.

1. Ameerah Abdullah Alshahrani, Emad Sami Jaha, Nahed Alowidi, "Fusion Of Hash-Based Hard And Soft Biometrics For Enhancing Face Image Database Search And Retrieval", Computers, Materials & Continua, vol: 77, pp. 3489-3509, 2023.
   DOI: 10.32604/cmc.2023.044490

2. Hend Alshede, Laila Nassef, Nahed Alowidi, Etimad Fadel, "Ensemble Voting-Based Anomaly Detection For A Smart Grid Communication Infrastructure", Intelligent Automation &Amp; Soft Computing, vol: 36, pp. 3257-3278, 2023.
   DOI: 10.32604/iasc.2023.035874

3. Rasha Almarshdi, Laila Nassef, Etimad Fadel, Nahed Alowidi, "Hybrid Deep Learning Based Attack Detection For Imbalanced Data Classification", Intelligent Automation &Amp;Amp;Amp; Soft Computing, vol: 35, pp. 297-320, 2023.
   DOI: 10.32604/iasc.2023.026799

4. Sumaya Alghamdi, Etimad Fadel, Nahid Alowidi, "Recognizing Activities Of Daily Living Using 1d Convolutional Neural Networks For Efficient Smart Homes", International Journal Of Advanced Computer Science And Applications, vol: 12, 2021.
   DOI: 10.14569/IJACSA.2021.0120138

5. Sumaya Alghamdi, Etimad Fadel, Nahid Alowidi, "Recognizing Activities Of Daily Living In Ambient Intelligence Environments Using 1d Convolutional Neural Networks", Ijarcce, vol: 9, pp. 1-8, 2020.
   DOI: 10.17148/IJARCCE.2020.9301

6. Alowidi N., Shen Y., Tino P, "Prototype-Based Spatio-Temporal Probabilistic Modelling Of Fmri Data", 11th Workshop On Self-Organizing Maps,Houston, U.S.A, 2016.

7. Nahed Alowidi, "Mining E-Learning Environments To Enhance The Learning Process", Seventh Academic Production Forum, 2011.

8. Alowid N., Jamal Eldeen S., "Enhancing The E-Learning Process By Mining Its Data", Engineering Eleventh International Conference, 2010.

9. Nahed Alowidi, "The Experience Of Female Section At King Abdulaziz University In Saudi Arabia In The Diversity Of Training Opportunities For Faculty Members", Forum Of Developing And Abilities Building For Faculty Members In Arab Universities, 2007.

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