

Academic Resume



Amany Alnahdi

Assistant Professor, Computer Science Department

Contact Information.

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Highest Degree.

2017, Doctor of philosophy, Computer Science, Kent State University, USA.

Academic and Professional Experiences.

1. **2018 - Present**
Assistant Professor, Jeddah, Saudi Arabia, King Abdulaziz University.
2. **2017 - 2022**
Head of Alumni Committee, Jeddah, Saudi Arabia, Computer Science Department-Female Campus, Faculty of Computing and Information Technology, King Abdulaiz University.
3. **2014 - 2014**
Vice President for the Computer Science Graduate Student Association (CSGSA), Kent, OH, USA, Kent State University.

Research Interests.

Service Computing, Semantic Web, Information Retrieval.

Teaching Interests.

Database Systems, Software Engineering, Data Structures.

Certifications and Trainings.

1. Total Quality Management Certificate of Completion.
2. Supply Chain Management Fundamentals Certificate of Completion.
3. Info graphic Course.
4. Quality Week Event, King Abdulaziz University - Deanship of Quality and Academic Accreditation.
5. Data Analytics and Systems Approach to quality Leadership, Saudi Quality Council.
6. Role of Library systems in Preparing Universities Evaluation Reports: an Analytical Perspective, Naseej Academy.
7. Quality Week Event, King Abdulaziz University - Deanship of Quality and Academic Accreditation.
8. Quality Events in Ramadan, Deanship of Quality and Academic Accreditation, King Abdulaziz University.
9. New Technologies and their Impact on Libraries: Toward Digital Transformation, Naseej Academy.
10. Artificial Intelligence 1st Meeting, Artificial Intelligence Awareness Committee, King Abdulaziz University.
11. Smart Digital Transformation: A Step toward Empowerment in Education, Naseej Academy.
12. Augmented Reality and Virtual Reality in the Library: Opportunities for Learning, Naseej Academy.
13. Web of Science, Web of Science Group.
14. Infodemic, Info-Vaccine and Libraries during the COVID-19 Pandemic, Naseej Academy.
15. How to run applications on the Aziz supercomputer, the First EAI Conference on Smart Societies Infrastructure, Technologies, and Applications.
16. Big Data and its Placement in Education Design, Naseej Academy.
17. Digital Transformation in Higher Education, Naseej Academy.
18. Fish! Philosophy for stimulating Environment in Libraries, Naseej Academy.
19. Augmented Reality and Virtual Reality in the Library, Naseej Academy.
20. Universal Design for Learning, Deanship of e-Learning and Distance Education Certificate.
21. Introduction to Arabic Lexicons, Arabic Language Academy.
22. MATLAB & SIMULINK - From Algorithm to Simulation workshop, The Innovation and Prototyping Center (IPC) at King Abdulaziz University.
23. Blackboard Collaborate Ultra, Deanship of E-Learning and Distance Education.
24. Use of RealSense Technology in Adaptive E-Learning Environments, Naseej Academy.
25. Activate Educational Goals and Interactive Activities in the Lectures, Center for Teaching and Learning Development.
26. Emerging Technologies and its Educational Applications, Naseej Academy.
27. Artificial Intelligence in Library and Educational Settings Concerns and Opportunities, Naseej Academy.
28. Conflict Management, Center for Teaching and Learning Development, King Abdulaziz University.
29. Fair Use Applications in Distance Learning Systems and Electronic Widespread Course Platforms, Naseej Academy.
30. World Copyright Issues in Academic and Research Libraries in the Digital Era, Naseej Academy.
31. Applying Gamification in Educational Environment, Naseej Academy.
32. Strategies of Digital Transformation in Higher Education, Naseej Academy.
33. Investing in Artificial Intelligence in the Development of E-Learning, Naseej Academy.
34. Grant Writing Basics for Libraries, Naseej Academy.
35. Forth Mecca conference for Arabic Language Literature, Mecca, Saudi Arabia.
36. Assessments Through the Learning: Did They Learn It? Can They Do It? Can You Prove It?, Naseej Academy.

Social, Scientific and Professional Affiliation.

1. 2015-2016, Computer Science Graduate Student Association (CSGSA) member, Kent State University.
2. 2017-Present, member, IEEE.
3. 2022-Present, Research Committee Member, Artificial Intelligence Society Jeddah.

Excellence Awards and Patents.

1. 2011, International, Distinguished International Student, College of Science and Mathematics, California State University-Fresno
2. 2019, Interior, Contribution Medal (Wesam Alatta), Faculty of Computing and Information Technology, King Abdulaziz University
3. 2007, International, Perfect Attendance and Performance, American English Institute, California State University-Fresno
4. 2004, Interior, First Class Honor, King Abdulaziz University
5. 2003, Interior, Honor Roll Medal (Wesam Alawael), Deanship of Students Affairs-Female Section, King Abdulaziz University

Publications.

1. Latifah Almalki, Amany Alnahdi, Tahani Albalawi, "Role-Driven Clustering Of Stakeholders: A Study Of Iot Security Improvement", Journal, 2023.
2. Latifah S. Almalki, Amany K. Alnahdi, Tahani F. Albalawi, "The Roles Of Stakeholders In Internet Of Things: A Theoretical Framework", 2023 1st International Conference On Advanced Innovations In Smart Cities (Icaisc), pp. 1-6, 2023.
DOI: [10.1109/ICAISC56366.2023.10085486](https://doi.org/10.1109/ICAISC56366.2023.10085486)
3. Wejdan Radhwan, Amany Alnahdi, "Towards Medical Ontology Construction Using Data Mining", Icmhi 2022: 2022 6th International Conference On Medical And Health Informatics, pp. 85-88, 2022.
DOI: [10.1145/3545729.3545747](https://doi.org/10.1145/3545729.3545747)
4. Sara Alsiari, Amany Alnahdi, "A Systematic Approach For Mining Quality Of Services", Asse'''' 22: 2022 3rd Asia Service Sciences And Software Engineering Conference, pp. 147-152, 2022.
DOI: [10.1145/3523181.3523202](https://doi.org/10.1145/3523181.3523202)
5. Amany K Alnahdi, Rania A Aboalela, Rasha K. Khazmari, Fatmah A Baothman, Amal J Babour, Huda A Al Taisan, "Arenalg: A Pedagogical Mobile Application For Algorithms Linguistics Based On A Semantic Bilingual Ontology", Journal Of Physics: Conference Series, vol: 2188, pp. 012010, 2022.
DOI: [10.1088/1742-6596/2188/1/012010](https://doi.org/10.1088/1742-6596/2188/1/012010)
6. Rawan Alahmadi, Shoroog Almimony, Rahaf Bahakeem, Amany Alnahdi, "Health Records Retrieval System: A Web-Service Approach", Icmhi 2021: 2021 5th International Conference On Medical And Health Informatics, pp. 145-149, 2021.
DOI: [10.1145/3472813.3473181](https://doi.org/10.1145/3472813.3473181)
7. Amany K. Alnahdi, "A Framework For Building A Multilingual Industrial Ontology: Methodology And A Case Study For Building Smartphone English-Arabic Ontology", International Journal Of Web & Semantic Technology, vol: 12, pp. 15-21, 2021.
DOI: [10.5121/ijwest.2021.12302](https://doi.org/10.5121/ijwest.2021.12302)
8. Amany K. Alnahdi, "Semantic Applications For Ontological Information Theory", Journal Of Physics: Conference Series, vol: 1812, pp. 012026, 2021.
DOI: [10.1088/1742-6596/1812/1/012026](https://doi.org/10.1088/1742-6596/1812/1/012026)
9. Amany Alnahdi, "Mobile Application Development Ontology", Icist &Amp;Amp;#039;&Amp;Amp;#039;&Amp;Amp;#039;&Amp;Amp;#039;20: 10th International Conference On Information Systems And Technologies, pp. 1-6, 2020.
DOI: [10.1145/3447568.3448533](https://doi.org/10.1145/3447568.3448533)
10. Amany Alnahdi, Faisal Bazarah, "Building Quality Metrics For Green Computing Projects: A Model And A Case Study Of Engineering A Green Computing Awareness Website", 2018 14th International Conference On Signal-Image Technology &Amp; Internet-Based Systems (Sitis), pp. 595-600, 2018.
DOI: [10.1109/SITIS.2018.00096](https://doi.org/10.1109/SITIS.2018.00096)
11. Amany Alnahdi, Shih-Hsi Liu, "Identifying Characteristic Attributes For Estimating Cost Of Service In Service Oriented Architecture", 2017 Ieee International Conference On Services Computing (Scc), pp. 467-470, 2017.
DOI: [10.1109/SCC.2017.66](https://doi.org/10.1109/SCC.2017.66)
12. Amany Alnahdi, Rania Aboalela, Amal Babour, "Building Bilingual Algorithm English-Arabic Ontology For Cognitive Applications", 2017 Ieee International Conference On Cognitive Computing (Iccc), pp. 124-127, 2017.
DOI: [10.1109/IEEE.ICCC.2017.22](https://doi.org/10.1109/IEEE.ICCC.2017.22)

Publications.

13. Amany Alnahdi, Shih-Hsi Liu, "Mobile Internet Of Things (Miot) And Its Applications For Smart Environments: A Positional Overview", 2017 Ieee International Congress On Internet Of Things (Iciot), pp. 151-154, 2017.
DOI: [10.1109/IEEE.ICIOT.2017.26](https://doi.org/10.1109/IEEE.ICIOT.2017.26)
14. Amany Alnahdi, Austin Melton, Shih-Hsi Liu, "Web Service Description Quality Function Deployment (Wsdqfd): Systematic Analytical Approach", 2016 Ieee World Congress On Services (Services), pp. 132-133, 2016.
DOI: [10.1109/SERVICES.2016.29](https://doi.org/10.1109/SERVICES.2016.29)
15. Amany Alnahdi, Shih-Hsi Liu, Austin Melton, "Enhanced Web Service Matchmaking: A Quality Of Service Approach", 2015 Ieee World Congress On Services (Services), pp. 341-348, 2015.
DOI: [10.1109/SERVICES.2015.59](https://doi.org/10.1109/SERVICES.2015.59)