Academic Resume

Abdulaziz Attaallah

Assistant Professor, Computer Science Department

I'm an Assistant Professor and former General Supervisor at the University Knowledge Portal, King Abdulaziz University. Holding a 2017 Ph.D. in Software Engineering from North Dakota State University, USA, I also earned a Master's from Gannon University (2013) and a Bachelor's in Computer Science (2007). My expertise lies in Software Engineering, Security, and Usability. As a skilled software engineer, I excel in analytics, problem-solving, data quality assurance, and report generation.

Contact Information.

Building FCIT, Room 148, Add. Tower Street, aattallah@kau.edu.sa.

Highest Degree.

2017, Doctor of Philosophy, Software Engineering, University of North Dakota, USA.

Academic and Professional Experiences.

1. **2022 - Present**
   Member of Student and Alumni Affairs Committee, Faculty of Computing and Information Technology, King Abdulaziz University.
2. **2018 - 2019**
   Computer Science Department Council Secretary, Faculty of Computing and Information Technology, King Abdulaziz University.
3. **2017 - 2018**
   Assistant Professor, Jeddah, Saudi Arabia, Faculty of Computing and Information Technology, King Abdulaziz University.
4. **2008 - 2013**
   Teaching Assistant, Deanship of Information Technology, King Abbdulaziz University.

Research Interests.

Healthcare of Things, Usability Testing, Software Architecture, Mobile Applications, Usable Security, Accessibility, Expert Evaluation, Human Computer Interaction, Software Engineering, Usability Criteria, Fuzzy Logic, Internet of Things.

Teaching Interests.

CPCS-351Software Engineering I, CPCS-353 Software Engineering Practices, CPCS-454 Object-Oriented Analysis and Design, CPCS-202 Programming I, CPCS-203 Programming II, CPCS-498 Senior Project I, CPCS-499 Senior Project II, CPCS-699 Master’s Research, CPCS- 336 Introduction to Artificial Intelligence, CPCS-206 Introduction to programming and Visual Basic, CPCS-323 Summer (workplace) Training.

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Certifications and Trainings.

1. Leadership Management International.

Social, Scientific and Professional Affiliation.

1. 2017-Present, Academic Advisor, Computer Science Department, King Abdulaziz University.
2. 2019-2020, General Supervisor of the Center of the University Knowledge Portal, Deanship of Information Technology.
3. 2007-2008, Technician, Deanship of Graduate Studies, King Abdulaziz University.
4. 2008-2009, Software Developer, Deanship of Information Technology, King Abdulaziz University.
5. 2017-2018, Council Secretary, Computer Science Department, King Abdulaziz University.
6. 2015-2017, President, Saudi Student Association, North Dakaota State University.
7. 2008-2017, Teacher Assistant, Deanship of Information Technology, King Abdulaziz University.

Excellence Awards and Patents.

1. 2014, International, Momber of Upsilon Pi Epsilon, International Honor Society for the Computing and Information Disciplines North Dakota State University.

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Publications.

1. Sabita Khatri, Khalil al-Sulbi, Abdulaziz Attaallah, Md Tarique Jamal Ansari, Alka Agrawal, Rajeev Kumar, "Enhancing Healthcare Management During Covid-19: A Patient-Centric Architectural Framework Enabled By Hyperledger Fabric Blockchain", Information, vol: 14, pp. 425, 2023.
   DOI: 10.3390/info14080425

2. Abdulaziz Attaallah, Khalil al-Sulbi, Areej Alasiry, Mehrez Marzougui, Neha Yadav, Syed Anas Ansar, Pawan Kumar Chaurasia, Alka Agrawal, "A Trailblazing Framework Of Security Assessment For Traffic Data Management", Intelligent Automation &Amp; Soft Computing, vol: 37, pp. 1853-1875, 2023.
   DOI: 10.32604/iasc.2023.039761

3. Khalil al-Sulbi, Pawan Kumar Chaurasia, Abdulaziz Attaallah, Alka Agrawal, Dhirendra Pandey, Vandna Rani Verma, Vipin Kumar, Md Tarique Jamal Ansari, "A Fuzzy Topsis-Based Approach For Comprehensive Evaluation Of Bio-Medical Waste Management: Advancing Sustainability And Decision-Making", Sustainability, vol: 15, pp. 12565, 2023.
   DOI: 10.3390/su151612565

4. Abdulaziz Attaallah, Khalil al-Sulbi, Areej Alasiry, Mehrez Marzougui, Syed Anas Ansar, Alka Agrawal, Md Tarique Jamal Ansari, Raees Ahmad Khan, "Fuzzy-Based Unified Decision-Making Technique To Evaluate Security Risks: A Healthcare Perspective", Mathematics, vol: 11, pp. 2554, 2023.
   DOI: 10.3390/math11112554

5. Abdullah Algarni, Abdulaziz Attaallah, Fathi Eassa, Maher Khemakhem, Kamal Jambi, Hosam Aljihani, Khalid Almarhabi, Faisal Albalwy, "A Security Testing Mechanism For Detecting Attacks In Distributed Software Applications Using Blockchain", Plos One, vol: 18, pp. e0280038, 2023.
   DOI: 10.1371/journal.pone.0280038

6. Abdulaziz Attaallah, Hassan Alsuhabi, Sarita Shukla, Rajeev Kumar, Bineet Kumar Gupta, Raees Ahmad Khan, "Analyzing The Big Data Security Through A Unified Decision-Making Approach", Intelligent Automation &Amp; Soft Computing, vol: 32, pp. 1071-1088, 2022.
   DOI: 10.32604/iasc.2022.022569

7. Abdulaziz Attaallah, Raees Ahmad Khan, "Estimating Usable-Security Through Hesitant Fuzzy Linguistic Term Sets Based Technique", Computers, Materials And Continua, vol: 70, pp. 5683-5705, 2021.
   DOI: 10.32604/cmc.2022.021643

8. Abdulaziz Attaallah, Masood Ahmad, Md Tarique Jamal Ansari, Abhishek Kumar Pandey, Rajeev Kumar, Raees Ahmad Khan, "Device Security Assessment Of Internet Of Healthcare Things", Intelligent Automation &Amp; Soft Computing, vol: 27, pp. 593-603, 2021.
   DOI: 10.32604/iasc.2021.015092

9. Abdulaziz Attaallah, Sabita Khatri, Mohd Nadeem, Syed Anas Ansar, Abhishek Kumar Pandey, Alka Agrawal, "Prediction Of Covid-19 Pandemic Spread In Kingdom Of Saudi Arabia", Computer Systems Science And Engineering, vol: 37, pp. 313-329, 2021.
   DOI: 10.32604/csse.2021.014933

10. Abdulaziz Attaallah, Masood Ahmad, Adil Hussain Seh, AlkaAgrawal, Rajeev Kumar, Raees Ahmad Khan, "Estimating The Impact Of Covid-19 Pandemic On The Research Community In The Kingdom Of Saudi Arabia", Computer Modeling In Engineering &Amp; Sciences, vol: 126, pp. 419-436, 2021.
    DOI: 10.32604/cmes.2021.014263

11. Hosam Aljihani, Fathy Eassa, Khalid Almarhabi, Abdullah Algarni, Abdulaziz Attaallah, "Standalone Behaviour-Based Attack Detection Techniques For Distributed Software Systems Via Blockchain", Applied Sciences, vol: 11, pp. 5685, 2021.
    DOI: 10.3390/app11125685

Publications.

12. Abdullah Algarni, Masood Ahmad, Abdulaziz Attaallah, Alka Agrawal, Rajeev Kumar, Raees Ahmad Khan, "A Fuzzy Multi-Objective Covering-Based Security Quantification Model For Mitigating Risk Of Web Based Medical Image Processing System", International Journal Of Advanced Computer Science And Applications, 2020.

13. Gayatri Kapil, Alka Agrawal, Abdulaziz Attaallah, Abdullah Algarni, Rajeev Kumar, Raees Ahmad Khan, "Attribute Based Honey Encryption Algorithm For Securing Big Data: Hadoop Distributed File System Perspective", Peerj Computer Science, vol: 6, pp. e259, 2020.

    DOI: 10.7717/peerj-cs.259

14. Abdulaziz Attaallah, Abdullah Algarni, Raees Ahmad Khan, "Managing Security-Risks For Improving Security-Durability Of Institutional Web-Applications: Design Perspective", Computers, Materials &Amp;Amp;Amp;Amp; Continua, vol: 66, pp. 1849-1865, 2020.

    DOI: 10.32604/cmc.2020.013854

15. Abdullah Algarni, Masood Ahmad, Abdulaziz Attaallah, Alka Agrawal, Rajeev Kumar, Raees Khan, "A Hybrid Fuzzy Rule-Based Multi-Criteria Framework For Security Assessment Of Medical Device Software", International Journal Of Intelligent Engineering And Systems, vol: 13, pp. 51-62, 2020.

    DOI: 10.22266/ijies2020.1031.06

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