

Academic Resume



Tarig Ahmed

Professor, Information Technology Department

Tarig Ahmed is a Professor at Dept. Information Technology, KAU. He holds a Ph.D. degree in computer science. His main interested research areas: Mobile agent system architecture, mobile agent security, database systems, and artificial intelligent systems. Tarig is an Oracle Certified Professional (OCP) from Oracle company as application developer 6i. Also, he has many publications.

Contact Information.

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Highest Degree.

2004, , Computer Science , University of Khartoum, Sudan.

Academic and Professional Experiences.

1. **2021 - Present**
Professor, Jeddah, KSA, IT department, Faculty of Computing and IT, King Abdul-Aziz University., , .
2. **2019 - 2021**
Associate Professor, Jeddah, KSA, IT department, Faculty of Computing and IT, King Abdul-Aziz University.
3. **2018 - 2019**
Associate Professor, Sudan, Department of Computer Sciences ; Faculty of Mathematical Sciences ; University of Khartoum.
4. **2014 - 2018**
Associate Professor, Al-Kharj - KSA, Prince Sattam University.
5. **2007 - 2014**
Assistant Professor, Sudan, Department of Computer Sciences Faculty of Mathematical Sciences ; University of Khartoum.
6. **2005 - 2007**
Assistant Professor, ALhasah - KSA, King Faisal University.
7. **2002 - 2005**
Lecturer , ALhasah - KSA, King Faisal University., , .

Research Interests.

Database, Mobile Agent Systems, Data Mining, Deep Learning, Big Data Analytics.

Teaching Interests.

Databases, Data Mining, Programming Languages, Big Data.

Certifications and Trainings.

1. OCP - Oracle Certified Professional Developer 6i.

Social, Scientific and Professional Affiliation.

1. 2020-Present, Professor, IT Department, Faculty of Computing and Information Technology, King Abdulaziz University , Saudi Arabia.

Excellence Awards and Patents.

1. 2015, Interior, Distinguish Certificate, Cloud Computing (ICCC), 2015 International Conference on. IEEE.

Publications.

1. Abdulrahman O. Mostafa, Tarig M. Ahmed, "Enhanced Emotion Analysis Model Using Machine Learning In Saudi Dialect: Covid-19 Vaccination Case Study", International Journal Of Advanced Computer Science And Applications, vol: 15, 2024.
DOI: [10.14569/IJACSA.2024.0150134](https://doi.org/10.14569/IJACSA.2024.0150134)
2. Thamer Althubiti, Tarig M. Ahmed, Madini O. Alassafi, "Developing A Predictive Model For Selecting Academic Track Via Gpa By Using Classification Algorithms: Saudi Universities As Case Study", International Journal Of Advanced Computer Science And Applications, 2023.
3. Majdy Mohamed Eltayeb Eltahir, Tarig Mohammed Ahmed, "Diagnosing Breast Cancer Accurately Based On Weighting Of Heterogeneous Classification Sub-Models", Computer Systems Science And Engineering, vol: 42, pp. 1257-1272, 2022.
DOI: [10.32604/csse.2022.022942](https://doi.org/10.32604/csse.2022.022942)
4. Tarig Mohamed Ahmed, "Developing Check-Point Mechanism To Protect Mobile Agent Free-Roaming Against Untrusted Hosts", Computers, Materials & Continua, vol: 72, pp. 3849-3862, 2022.
DOI: [10.32604/cmc.2022.025582](https://doi.org/10.32604/cmc.2022.025582)
5. Mohamed Abdal Mohsin Masaad Alsaid, Tarig Mohamed Ahmed, Sadeeq Jan, Fazal Qudus Khan, Mohammad, Amjad Ullah Khattak, "A Comparative Analysis Of Mobile Application Development Approaches", Proceedings Of The Pakistan Academy Of Sciences: A. Physical And Computational Sciences, vol: 58, pp. 35-45, 2021.
DOI: [10.53560/PPASA\(58-1\)717](https://doi.org/10.53560/PPASA(58-1)717)
6. Tarig Mohamed Ahmed, "A Novel Classification Model For Employees Turnover Using Neural Network To Enhance Job Satisfaction In Organizations", Journal Of Information And Organizational Sciences, 2021.
7. Hamza et al, Tarig Mohamad Ahmed, "Text Mining: A Survey Of Arabic Root Extraction Algorithms", International Journal Of Advanced And Applied Sciences, vol: 8, pp. 11-19, 2021.
DOI: [10.21833/ijaas.2021.01.002](https://doi.org/10.21833/ijaas.2021.01.002)
8. Fazal Qudus Khan¹, Saim Rasheed¹, Maged Alsheshtawi¹, Tarig Mohamed Ahmed^{1, 2} and Sadeeq Jan^{3, *}, "A Comparative Analysis Of Rad And Agile Technique For Management Of Computing Graduation Projects.", Computers, Materials & Continua, 2020.
9. Saeed Ali Omar Bahaj, Khaled Salmen Aljaaidi, Tarig Mohamed Ahmed, "Using Tam Model To Empirically Examine Students' Attitudes Towards E-Services In College Of Business Administration", Management Science Letters, pp. 651-660, 2019.
DOI: [10.5267/j.msl.2019.2.006](https://doi.org/10.5267/j.msl.2019.2.006)
10. Mohammad Fawaz, Anwer Mustafa, Tarig Mohamed Ahmed, "Encrypted Fingerprint Into Voip Systems Using Cryptographic Key Generated By Minutiae Points", International Journal Of Advanced Computer Science And Applications, vol: 9, 2018.
DOI: [10.14569/IJACSA.2018.090120](https://doi.org/10.14569/IJACSA.2018.090120)
11. Tarig Mohamed Ahmed, "Improve Mobile Agent Performance By Using Knowledge-Based Content", International Journal Of Advanced Computer Science And Applications, vol: 9, 2018.
DOI: [10.14569/IJACSA.2018.090110](https://doi.org/10.14569/IJACSA.2018.090110)
12. Mohamed H a , Mohamed Ahmed T, "Developing Diagnose Tuberculosis Diseases Models By Using Data Mining: Classification And Clustering Algorithms.", Journal Of Theoretical & Applied Information Technology, 2017.
13. Tarig Mohamed Ahmed, "Using Data Mining To Develop Model For Classifying Diabetic Patient Control Level Based On Historical Medical Records", Journal Of Theoretical And Applied Information Technology, 2016.
14. Rayan Masoud, Tarig Mohamed Ahmed, "Using Data Mining In Telecommunication Industry: Customers Churn Prediction Model", Journal Of Theoretical & Applied Information Technology, 2016.

Publications.

15. Tarig Mohamed Ahmed, "Developing A Predicted Model For Diabetes Type 2 Treatment Plans By Using Data Mining", Journal Of Theoretical And Applied Information Technology, 2016.
16. Tarig Mohammed Ahmed, Mohammed Hassan Fadhul, "Developing An Efficient Model For Building Data Warehouse Using Mobile Agent", International Journal Of Information Technology And Computer Science, vol: 8, pp. 9-16, 2016.
DOI: [10.5815/ijitcs.2016.09.02](https://doi.org/10.5815/ijitcs.2016.09.02)
17. Aboobyda Jafar Hamid, Tarig Mohammed Ahmed, "Developing Prediction Model Of Loan Risk In Banks Using Data Mining", Machine Learning And Applications: An International Journal, vol: 3, pp. 1-9, 2016.
DOI: [10.5121/mlaij.2016.3101](https://doi.org/10.5121/mlaij.2016.3101)
18. Adil Mobarek, Siddig Abdelrhman, Areege Abdel-Mutal, Sara Adam, Nawal Elbadri, Tarig Mohammed Ahmed, "Transaction Processing, Techniques In Mobile Database: An Overview", International Journal On Computational Science & Applications, vol: 5, pp. 1-10, 2015.
DOI: [10.5121/ijcsa.2015.5101](https://doi.org/10.5121/ijcsa.2015.5101)
19. Majda Omer Elbasheer, Tarig Mohammed, "Signing And Verifying Certificates By Ntru And Rsa Algorithms", Saudi Arabia, 2015.
20. Tarig Ahmed, Namarig Alhadi, Mohamed E. Seliaman, "Acceptance Of E-Government Services In Sudan: An Empirical Investigation", Saudi Arabia, 2015.
21. Abubakr Gafar Abdalla, Tarig Mohamed Ahmed, Mohamed Elhassan Seliaman, "Web Usage Mining And The Challenge Of Big Data", 2015.
22. Arwa Mukhtar Makki, Tarig Mohamed Ahmed, "Enhancing Rcies Model", International Journal Of Enterprise Information Systems, vol: 11, pp. 79-98, 2015.
DOI: [10.4018/IJEIS.2015100104](https://doi.org/10.4018/IJEIS.2015100104)
23. Reyhan Abdulaziz Ahmed, Tarig Mohamed Ahmed, "Generating Data Warehouse Schema", International Journal In Foundations Of Computer Science & Technology, vol: 4, pp. 1-16, 2014.
DOI: [10.5121/ijfcs.2014.4101](https://doi.org/10.5121/ijfcs.2014.4101)
24. Tarig Mohamed Ahmed, "Protect Mobile Agent Against Malicious Host Using Partial-Mobility Mechanism", International Journal In Foundations Of Computer Science & Technology, vol: 3, pp. 41-52, 2013.
DOI: [10.5121/ijfcs.2013.3604](https://doi.org/10.5121/ijfcs.2013.3604)
25. Ibtihal Mohamed Abdullateef Fadul, Tariq Mohamed Ahmed, "Enhanced Security Of Rijndael Algorithm Using Two Secret Keys", South Korea, 2013.
26. Ahmed Tarig Mohamed, "Generate Sub-Agent Mechanism To Protect Mobile Agent Privacy", 2012 Ieee Symposium On Computers & Informatics (Isci), pp. 86-91, 2012.
DOI: [10.1109/ISCI.2012.6222672](https://doi.org/10.1109/ISCI.2012.6222672)
27. Tarig M. Ahmed, "Secure Switching Messages Mechanism For Mobile Agent Communication And Tracking", Parallel And Distributed Computing And Networks / Software Engineering, 2011.
DOI: [10.2316/P.2011.719-052](https://doi.org/10.2316/P.2011.719-052)
28. Tarig Mohamed Ahmed, "Generate Secure Mobile Agent By Using Sms To Protect Hosts", 2010 Ieee/Acs International Conference On Computer Systems And Applications (Aiccsa), pp. 1-4, 2010.
DOI: [10.1109/AICCSA.2010.5586947](https://doi.org/10.1109/AICCSA.2010.5586947)
29. Tarig Mohammed Ahmed, "Database Application (In Arabic)", 2009.
30. Tarig Mohammed Ahmed, "Using Secure-Image Mechanism To Protect Mobile Agent Against Malicious Hosts", Indonesia, 2009.

Publications.

31. Tarig Mohamed Ahmed, "Increasing Mobile Agent Performance By Using Free Areas Mechanism.", The Journal Of Object Technology, vol: 6, pp. 125, 2007.
DOI: [10.5381/jot.2007.6.4.a4](https://doi.org/10.5381/jot.2007.6.4.a4)
32. T.M. Ahmed, "Generating Mobile Agent Securely By Using Masl", 25th Ieee International Conference On Distributed Computing Systems Workshops, pp. 291-296, 2005.
DOI: [10.1109/ICDCSW.2005.64](https://doi.org/10.1109/ICDCSW.2005.64)
33. T.M. Ahmed, "Protecting Service Providers By Using Agent Virtual Machine", 16th International Workshop On Database And Expert Systems Applications (Dexa'05), pp. 236-240, 2005.
DOI: [10.1109/DEXA.2005.159](https://doi.org/10.1109/DEXA.2005.159)
34. T.M. Ahmed, "Using Smac Agent Securely In Heterogonous Database Systems", 2005 5th International Conference On Information Communications & Signal Processing, pp. 1264-1268, 2005.
DOI: [10.1109/ICICS.2005.1689258](https://doi.org/10.1109/ICICS.2005.1689258)