

Academic Resume

Manal Bayousef

Assistant Professor, Information Technology Department

Contact Information.

Building 61, Room S-148, mbayousif@kau.edu.sa.

Highest Degree.

2019, , Information Security, Florida State University, USA.

Academic and Professional Experiences.

1. **2021 - 2023**
Member of the Cyber Education team in cooperation with National Cyber Security Authority in the field of harmonizing the Saudi framework for higher education, KSA, KAU.
2. **2021 - 2021**
Member of the jury of the Makkah Digital Gateway Initiative for Research and Innovation - the path of developing digital systems in cyber security, KSA, KAU.
3. **2021 - 2021**
Member of the Exit Exam Committee, College of Computing and Information Technology, KSA, KAU.
4. **2017 - Present**
Teacher Assistance, Information Technology Department, Faculty of Computing and Information Technology, KSA, KAU.
5. **2017 - 2019**
Graduate Research Assistance, Computer Science Department, Florida State University, USA, FSU.
6. **2016 - 2019**
Award of Distinction for academic achievement from FSU Golden Key International Honour Society, USA, FSU.
7. **2009 - 2017**
Teacher Assistance ,Computer Skill Unit, Faculty of Computing and Information Technology, KSA, KAU.
8. **2008 - 2009**
Technical Support, Computer Skill Unit, Faculty of Computing and Information Technology, KSA, KAU.

Research Interests.

Computer Security, Network Security, Web application security, Parallel Computing, High-performance computing (HPC), Secure random numbers generations in High Dimensional Applications..

Teaching Interests.

Web application Security, Information Security, Internet programming and Web application development, Electronic Security, Penetration Testing, Digital Forensics.

Certifications and Trainings.

1. XSEDE HPC Big Data, Dirac Science Library.
2. GPU Programming with CUDA, FSU, Research Computing Center (RCC), Dirac Science Library.
3. Introduction to HPC Workshop, FSU, Research Computing Center (RCC), Dirac Science Library.
4. INTRO TO GNU/LINUX WORKSHOP, PART I, FSU, Research Computing Center (RCC), Dirac Science Library.
5. Advanced MATLAB Programming Workshop, FSU, Research Computing Center (RCC).
6. Lunch and Learn - NoleStor DataDirect Technical Update, FSU, Research Computing Center (RCC), Dirac Science Library.
7. The annual Practice and Experience in Advanced Research Computing (PEARC18), in Pittsburgh, PA, USA from July 22-26, 2018.
8. Python at the HPC, FSU, Research Computing Center (RCC), Dirac Science Library..
9. Cybercrimes and Digital Forensics Forum, Naif Arab University for Security Sciences, Riyadh, Kingdom of Saudi Arabia, 19-21/11/2019.
10. Humanizing Digital Forensics, Naif Arab University for Security Sciences, Riyadh, Kingdom of Saudi Arabia, 20/11/2019..
11. University Teacher Skills Program, Center for Teaching and Learning Development, KAU..
12. The symposium of identifying the impact of Artificial Intelligence on Academic and Job Market: session2: The Job Market Transformation in the AI Era.
13. Houses of expertise and flashes from the experiences of experts to achieve profits and partnerships,FCIT,KAU.
14. The symposium of identifying the impact of Artificial Intelligence on Academic and Job Market: session1: The Current and Future of AI.
15. Patent Journey-Get creative ideas and record them, The knowledge Economy and Technology Transfer Center, KAU.
16. The symposium of identifying the impact of Artificial Intelligence on Academic and Job Market: session3: Powering the Students with AI Knowledge.
17. Inspirational Patent Ideas, The knowledge Economy and Technology Transfer Center, KAU..
18. Designing Blackboard Courses to Enhance Students' Interaction, The Development and Training Unit, FCIT, KAU..
19. The symposium of identifying the impact of Artificial Intelligence on Academic and Job Market: session4: AI in Scientific Research.
20. Workshop in Machine Learning ,The Development and Training Unit, FCIT, KAU.
21. E-Learning Teaching Skills, Deanship of e-Learning and Distance Education, KAU.
22. Design and production of educational videos;Deanship of e-Learning and Distance Education, KAU.
23. STEM initiative for e-learning and virtual labs, Deanship of e-Learning and Distance Education, KAU.
24. Grading rules and criteri using Blackboard LMS tool rubrics, Deanship of e-Learning and Distance Education, KAU.
25. Educational Design Using ChatGPT, Deanship of e-Learning and Distance Education, KAU.

Social, Scientific and Professional Affiliation.

1. 2002-2006, B.S in Computer Science, Faculty of Computing and Information Technology, KAU.
2. 2011-2013, M.S in Information Security, Florida State University,FSU.
3. 2014-2019, Ph.D in Computer Science, Florida State University,FSU.

Excellence Awards and Patents.

1. 2017, International, Award of Distinction for academic achievement from FSU Golden Key International Honour Society.

2. 2019, International, Award of Distinction for academic achievement from FSU Golden Key International Honour Society., FSU.
3. 2018, International, Award of Distinction for academic achievement from FSU Golden Key International Honour Society.

Publications.

1. Amal Abdullallah Nasser Albilali; Maysoon Abulkhair; Manal Sarhan Bayousef, "An Overview Of Location Privacy Protection In Spatial Crowdsourcing Platforms During The Task Assignment Process.", International Journal Of Security And Networks, 2023 Vol.18 No.4, Pp.227 - 244, 2023.
2. F. Aldaiji, O. Batarfi, and M. Bayousef, "Utilizing Cyber Threat Hunting Techniques To Find Ransomware Attacks: A Survey Of The State Of The Art, Ieee Access, Pp. 1-12, 2022, Doi: 10.1109/Access.2022.3181278.", Ieee Access, 2022.
3. M. Bayousef and M. Mascagni., "A Computational Investigation Of The Optimal Halton Sequence In Qmc Applications.", Monte Carlo Methods And Application, 25(3):36, 2019.
4. M. Bayousef and H. Chi, "Computational Investigations Of Optimal Scrambled Halton Sequences. In Proceedings Of The Practice And Experience On Advanced Research Computing", In Proceedings Of The Practice And Experience On Advanced Research Computing, Page 83., 2018.