

Curriculum Vitae (CV)

Dr. Abdulaziz Mohammad Alayba

Assistance Professor

College of Computer Science and Engineering, University of Ha'il,
Kingdom of Saudi Arabia

Email: a.alayba@uoh.edu.sa

Personal Information	NAME: ABDULAZIZ MOHAMMAD ALAYBA NATIONALITY: SAUDI ARABIAN EMAIL: A.ALAYBA@UOH.EDU.SA CURRENT JOB: Assistance Professor at University of Ha'il SPECIALIZATION: NLP & ML
Summary	<p>Abdulaziz M. Alayba was born in Ha'il, Saudi Arabia, in 1987. He earned his B.S. degree in Computer Education from the University of Ha'il, followed by an M.S. degree in Computer Science from Coventry University, UK, in 2012. Subsequently, he completed his Ph.D. in Artificial Intelligence and Natural Language Processing from Coventry University, UK, in 2019. Presently, he serves as an Assistant Professor of Computer Science at the College of Computer Science and Engineering, University of Ha'il, Saudi Arabia. His research interests encompass data science, machine learning (specifically Neural Networks and Deep Learning), natural language processing, and the internet of things. Additionally, he contributes as a reviewer for various esteemed international journals and conferences.</p>
Qualifications	<ul style="list-style-type: none">• Bachelor of Education in Computer Education from University of Hail, Kingdom of Saudi Arabia, 2005/2006 - 2009• Master of Science in Computer Science from Coventry University, United Kingdom, 2011 – 2012• Doctor of Philosophy in Computing (Artificial Intelligence and Natural Language Processing) from Coventry University, United Kingdom, 2015 – 2019
Researches and Projects	<ul style="list-style-type: none">• Research for Bachelor Project subject, <i>"Interactive Educational Program to classify networks IP addresses"</i>, 2009• Individual Research Project for Master's degree, <i>"Development of online fault reporting system for student accommodation service at estate department"</i>, 2012• Doctor of Philosophy research, <i>"Twitter Sentiment Analysis on Health Services in Arabic"</i>, 2019

Publications

- Altamimi, M. and Alayba, A. M. (2023) 'ANAD: Arabic news article dataset', *Data in Brief*, 50, p. 109460.
- Mohammed, B. A., Al-Shareeda, M. A., Manickam, S., Al-Mekhlafi, Z. G., Alayba, A. M., & Sallam, A. A. (2023). ANAA-Fog: A Novel Anonymous Authentication Scheme for 5G-Enabled Vehicular Fog Computing. *Mathematics*, 11(6), 1446.
- Mohammed, B. A., Senan, E. M., Alshammari, T. S., Alreshidi, A., Alayba, A. M., Alazmi, M., & Alsagri, A. N. (2023). Hybrid Techniques of Analyzing MRI Images for Early Diagnosis of Brain Tumours Based on Hybrid Features. *Processes*, 11(1), 212.
- Al-Mekhlafi, Z. G., Senan, E. M., Mohammed, B. A., Alazmi, M., Alayba, A. M., Alreshidi, A., & Alshahrani, M. (2022). Diagnosis of Histopathological Images to Distinguish Types of Malignant Lymphomas Using Hybrid Techniques Based on Fusion Features. *Electronics*, 11(18), 2865.
- Mohammed, B. A., Senan, E. M., Al-Mekhlafi, Z. G., Alazmi, M., Alayba, A. M., Alanazi, A. A., Alreshidi, A., & Alshahrani, M. (2022). Hybrid Techniques for Diagnosis with WSIs for Early Detection of Cervical Cancer Based on Fusion Features. *Applied Sciences*, 12(17), 8836.
- Alrahal, H., Jamous, R., Ramadan, R., Alayba, A. M., & Yadav, K. (2022). Utilising Acknowledge for the Trust in Wireless Sensor Networks. *Applied Sciences*, 12(4), 2045.
- Alayba, A. M., & Palade, V. (2022). Leveraging Arabic sentiment classification using an enhanced CNN-LSTM approach and effective Arabic text preparation. *Journal of King Saud University - Computer and Information Sciences*, 34(10), 9710–9722.
- Alayba, A. M., Palade, V., England, M., and Iqbal, R. (2018). A Combined CNN and LSTM Model for Arabic Sentiment Analysis. In *Machine Learning and Knowledge Extraction*. CD MAKE 2018. Lecture Notes in Computer Science, pages 179–191, Hamburg, Germany. Springer, Cham.
- Alayba, A. M., Palade, V., England, M., and Iqbal, R. (2018). Improving Sentiment Analysis in Arabic Using Word Representation. In *2nd International Workshop on Arabic and Derived Script Analysis and Recognition (ASAR)*, pages 13–18, London, UK. IEEE.

	<ul style="list-style-type: none"> • Alayba, A. M., Palade, V., England, M., and Iqbal, R. (2017). Arabic Language Sentiment Analysis on Health Services. In 1st International Workshop on Arabic Script Analysis and Recognition (ASAR), pages 114–118, Nancy, France. IEEE.
<p style="text-align: center;">Work Experiences</p>	<ul style="list-style-type: none"> • A Vice deanship of Academic Affair, 2021 - 2022 College of Computer Science and Engineering, University of Ha'il, Saudi Arabia • A Chairman of Computer Engineering Department, 2021 College of Computer Science and Engineering, University of Ha'il, Saudi Arabia • Assistant Professor, 2019 - Present College of Computer Science and Engineering, University of Ha'il, Saudi Arabia • Lecturer, 2015-2019 College of Computer Science and Engineering, University of Ha'il, Saudi Arabia • Teaching Assistant, 2009-2015 College of Computer Science and Engineering, University of Ha'il, Saudi Arabia
<p style="text-align: center;">Other Responsibility and Tasks</p>	<ul style="list-style-type: none"> • A member of Partnership Committee at CCSE 2023/2024 • A member of Academic Programs' Plans and Curriculum Committee at CCSE 2023/2024 • A chair of Data Science Program Course Description Committee at CCSE 2022/2023 • A chair of Academic Programs' Plans and Curriculum Committee at CCSE 2022/2023 • A member of Disciplinary Committee at CCSE 2022/2023 • A chair of evaluating faculty member cooperation requests committee at CCSE 2022/2023 • A Vice Chair of the International Conference on Smart Computing and Application (ICSCA2023), CCSE, UOH, Hail, Saudi Arabia • A member of developing academic programs and plans at UOH • A chair of developing new academic programs at CCSE • A chair of conversion to three semesters committee at CCSE • A member of QA committee at CCSE • A chair of executive committee to follow up the implementation of the strategic plan initiatives at CCSE • A chair of evaluating faculty member cooperation requests committee at CCSE 2021/2022 • A chair of academic committee to evaluate preventative measures for COVID-19 at CCSE • A chair of UOH prize evaluation committee for COE Department at CCSE • A trainer for 4th Programming and Business Hackathon at UOH • A chair of UOH Prize Evaluation committee for COE Department at CCSE • A chair of Partnership Unit at CCSE • A chair of admission and registry committee at CCSE

	<ul style="list-style-type: none"> • A member of admission and registry committee at CCSE
Training and Workshop	<ul style="list-style-type: none"> • AI Products Development • The role of academic leaders in managing institutional quality processes in Saudi universities • Developing the skills of faculty members in e-learning and distance education • Scopus • Do Research with Confidence Using Web of Science Core Collection • Introduction to Python • Business Intelligence Analyst 2018 v2 Mastery (IBM) • Recent Strategic Trends at University Administration • Targeted Learning Outcomes Measurement Workshop
Scientific Tasks	<ul style="list-style-type: none"> • A reviewer at Transactions on Asian and Low-Resource • A reviewer at Journal of the Association for Information Science and Technology • A reviewer at Communication Methods and Measures • A Keynote speaker at University of Ha'il on World Arabic Language Day 18/12/2019
Research Interests	<ul style="list-style-type: none"> • Artificial Intelligence • Machine Learning and Deep Learning • Natural Language Processing • Sentiment and Text Analysis • Information Retrieval • Big Data • Data Visualisation • Internet of Things

