Dr. Abduladem Aljamel

د. عبدالعظيم سالم الجمل

Azzarok District, Misurata City, Libya, P.O.Box 563, Mobile: +218 91 3207265,
Home: +218 51 2723567, Email: a.aljamel@mu.edu.ly

Educational Qualifications:

1985/1986	**GCSE General Certificate of Secondary Education (Excellent).** Ahmed Elbahlol Secondary School, Misurata.
1992/1993	**B.Sc. Computer Engineering (Good).** University Of Tripoli.
2009/2010	**M.Sc. Internet and Enterprise Computing (Distinction).** Nottingham Trent University.
2014/2016	**P.G. Certificate. Professional Research Practice (High Distinction).** Nottingham Trent University.
2014/2018	**Ph.D. A Knowledge-Based Framework for Information Extraction and Exploration.** Nottingham Trent University.
2021	**Assistant Professor. Computational Linguistics. National Language Processing Frameworks, Methodologies, Algorithms, Techniques and Tools.** Misurata University

Education and Training:

Pre-Sessional English for Academic Purposes	This course is for international students who need to improve their language skills before starting Master or Doctor of Philosophy Degrees. This course has improved my English language ability and developed my study skills. It took place from April to September 2009 in Nottingham Trent University.
M.Sc. Internet and Enterprise Computing (IEC)	The overall aim of the M.Sc. IEC is to provide students with a specialist master's level education in the theory and practice of the architecture and development of scalable Enterprise Information Systems for medium and large-scale corporations. The M.Sc. IEC provides broad education in the area of Internet and distributed systems engineering and emphasizes the importance of student-centred learning, team building and problem-solving skills. (November 2010)
Ph.D A Knowledge-Based Framework for Information Extraction and Exploration	I proposed a comprehensive knowledge-based framework to construct and exploit a domain-specific semantic knowledgebase. The proposed framework introduces a novel methodology for linking several components of different techniques and tools such as Machine Learning Algorithms, Semantic Web Technologies and Evolutionary Algorithms. It focuses on providing reusable and configurable data and application templates, which allow developers to apply it in diversity of domains. The objectives of this framework are, extracting information from unstructured data, constructing a semantic knowledgebase from the extracted information, enriching the resultant semantic knowledgebase by sourcing appropriate semi-structured and structured datasets, and consuming the resultant semantic knowledgebase to facilitate the intelligent exploration and search of information. For the propose of investigating the challenges of extracting and modelling information in a specific domain, we employed financial domain as a use-case in the context of stock investment motivating scenario. (May 2018)
The 4th ESWC Summer School	The overall goal for the 4th European Semantic Web Conference (ESWC) Summer School was to provide intensive training and networking opportunities for the next researchers' generation. In particular, the school has facilitated the creation of a new cohort of ESWC: Master's, Ph.D.'s. students and junior researchers who will in time become the next leaders of the ESWC conference and of the Semantic Web research area in general. It took place from September the 1st to September the 6th 2014 in Kalamaki, Crete, Greece.

P.G. Certificate. Professional Research Practice	I have been qualified for the award of Post-Graduation (P.G.) Certificate in Professional Research Practice as a result of attending a range of workshops and assessed developmental activates including Doctorate Plus Programme. This advanced study is undertaken in connection with the programme of my Ph.D. research. (October 2017)
Learning to Teach Online Certification	This course guides me through my journey of understanding how online technologies can enhance my course design. I have the opportunity to develop my understanding of effective online teaching practices and their relationship to the use of different technologies. I was also encouraged to progressively design and reflect upon my own online learning activity, assessment or resource for use in my own class in the course assignments. (Septemper 2020)
WHEEL: Online Training – ICTs & Infrastructure	It is an online workshops Implementation for the Libya Higher Education Institutions faculty members to enhance their knowledge, skills and experiences on ICTS & Infrastructure for the development of internationalization of their strategies. Distribution of curated and targeted material for the aforementioned training topics. Training was directly connected to the submission of the Deliverable Libya Higher Education Blueprint per institution. (January 2022) The training structure was arranged in 10 hours as follows: ICTs: Good Practices and lessons learnt from the use of virtual platforms by UA (2h) ICTs: E-learning platforms by UA (2h) ICTs: Practical Training by UA (2h + 2h) ICTs: Wrap up Session by UA (2h)
Spatial Data Science: The New Frontier in Analytics Course	This ESRI MOOC course trains analysts to extract deeper insight from data using a comprehensive set of analytical methods and spatial algorithms, including machine learning and deep learning techniques. This course explores the application of spatial data science to uncover hidden patterns and improve predictive modelling. (November 2022)
شهادة مدقق معتمد للمجلات العلمية المحكمة الليبية	هذه الشهادة تعطيني القدرة علي تقييم المجلات العلمية المحكمة والتدقيق في مطابقتها وتطبيقهم للمعايير المعتمدة من الهيئة الليبية للبحث العلمي. (نوفمبر 2022)
Huawei Certified ICT Association (HCIA) in AI Course	This course is to master the AI development Applications by using the Huawei Ascend AI system, the full-stack all-scenario AI strategy and algorithms related to traditional Machine Learning and Deep Neural Network learning. This course let me able to use development frameworks such as TensorFlow and MindSpore. (June 2023)
Huawei Certified Academy Instructor (HCAI)	I have successfully completed the Huawei certification and requirements and recognised as Huawei Certified Academy Instructor.
VMware Certified Technical Associate - Data Center Virtualization (VCTA-DCV)	The VCTA-DCV holders have a basic understanding of virtualization and vSphere concepts besides that they can demonstrate knowledge of data center technology and basic troubleshooting concepts. Also, they have a working knowledge of managing cloud resources and the related networking concepts. By getting this certificate, I have the following skills and knowledge: - Preparation for a starting position in the datacenter domain. - Perform operational tasks typically assigned to the roles of operator or joiner administrator. - The basics of virtualization and virtual machines. - The basics of vSphere and the software-defined data center.
Deep Learning Specialization (5 Certificates above)	This certificate contains 5 courses of the Deep Learning Specialization. In this Specialization, I built NN architectures such as CNN, RNN, LSTMs, Transformers, and learned how to make them better with strategies such as Dropout, BatchNorm, and Xavier/He initialization. I mastered these theoretical concepts, learned their industry applications using Python and TensorFlow, and tackled real-world cases such as Speech Recognition, Music Synthesis, Chatbots, MT, NLP, and more. I am now familiar with the capabilities and challenges of DL. I am ready to take the definitive step in the world of AI and participate in the development of leading-edge technology.
A Completion Certificate in Data Science and Big Data Analytics	Awarded from Dell for the successful completion of "Data Science and Big Data Analytics v2 - Instructor-Led"

Achievements:

Performance Prize	I got congratulations letter and a prize for THE BEST OVERALL PERFORMANCE STUDENT for my overall progress during my Master study from the Technology and Science School of Nottingham Trent University. (November 2010)
Conference Paper	The title of this paper is: "Domain-Specific Relation Extraction Using Distant Supervision Machine Learning." I presented this paper in Proceedings of the 7th International Joint Conference on

	Knowledge Discovery, Knowledge Engineering and Knowledge Management (IC3K 2015) - Volume 1: KDIR, pages 92-103
Journal Paper 1	The title of this paper is: "Smart Information Retrieval: Domain Knowledge Centric Optimization Approach." This paper is published in the IEEE Access Journal, Issue Date: December 2018, Volume: 7, Issue:1, On Page(s): 4167-4183
Journal Paper 2	The title of this paper is: "A Semantic Knowledge-based Framework for Information Extraction and Exploration" The International Journal of Decision Support System Technology (IJDSST), January 2021, Volume: 14, Issue: 1
Journal Paper 3	Aljamel, A., Khalil, H., & Aburawi, Y. (2021). "Research Trends in the Fields of Arabic Natural Language Processing Tasks and Arabic Information Extraction Applications: A Survey Study" IJITLS, 5(3), 8–33.
Journal Paper 4	عبدالعظيم الجمل، نهى الجمل، أنور الهنشيري (2022) "دراسة عزوف أعضاء هيئة التدريس في مؤسسات التعليم العالي عن المشاركة في الأنشطة الأكاديمية". مجلة البحوث الأكاديمية (العلوم الإنسانية)، العدد 23، نوفمبر 2022، صفحات (17-37).
Journal Paper 5	عبدالعظيم الجمل وآخرون. (2022) "مقترح لمنهجية تطبيق برنامج التعليم الإلكتروني في مؤسسات التعليم العالي الليبية" المجلة الدولية المحكمة للعلوم الهندسية وتقنية المعلومات، المجلد (10)، العدد (1). ديسمبر 2022، صفحات (16-22). ISSN: 2410-4256
Journal Paper 6	Maitieg, A., Aljamel, A. and Eltarjaman, W. (2023) "A Framework for Deploying GIS Applications to Monitor the Spatial Distribution of Epidemics. COVID-19 Epidemic in Libya Case Study". IJEIT ON ENGINEERING AND INFORMATION TECHNOLOGY, VOL.10 , NO 2, June 2023.
Journal Paper 7	Aljamel, A., Khalil, H. and Aburawi, Y. (2024) 'Comparative Study of Fine-tuned BERT-based Models and RNN-Based Models . Case Study : Arabic Fake News Detection', The International Journal of Engineering & Information Technology (IJEIT), 12(1), pp. 56–64. doi: https://doi.org/10.36602/ijeit.v12i1.477.
Projects Supervision	I have supervised numerous research projects across multiple domains of computer science, with particular focus on Software Engineering, Artificial Intelligence, Semantic Web Technologies, Natural Language Processing and Computer Vision

Employment:

1992-2008 2011-2013	I was one of the engineers of technical supporting and maintenance affiliated to International Computer Center Networking (ICC) Company (Tripoli). This company was responsible of technical supporting and maintenance of the core banking systems in around 100 Libyan Bank Branches. I was assigned as a manager of Misurata city branch of the company since 01/01/1995 until August 2008. Then, I was in a consulting position until September 2013
1998-2020	I was one of the trainers and lecturers of the Higher Institution of Science and Technology / Misurata.
2018-present	I am a member of research group. This group investigates the use of computational techniques and linguistics principles to make machines understand, generate and explore Arabic text.
2020-present	I am a faculty member in the Faculty of Information Technology at Misurata University. I am a lecture and researcher in the post- and under-graduate in the Computer Science department.
2021-2022 2023-present	I am a manager of the research and consultant Department in the faculty of information technology at Misurata University.

Skills

- My English reading, writing, listening, and speaking are good. It is because of a long journey of learning English language starting from the English classes in the Libyan primary and secondary schools then studying the B.Sc degree in English language in the University of Tripoli; besides, attending several English courses in Libya and the Pre-Sessional English for Academic Purposes course in the UK. Lastly, I spent more than 7 years in the UK to study M.Sc. and Ph.D.
- As a part of my B.Sc., M.Sc., Ph.D. degrees study and the training courses, I have the foundation for many programming Languages and I have already completed several projects using UML, asp.net with C#, C++, JAVA and Python. In addition, I have the required skills to use the Artificial Intelligent Algorithms, Machine Learning and Deep Neural Networks Learning, in the data science applications.
- As a trainer and lecturer in the Higher Institution of Science and Technology and Misurata University, for undergraduate and postgraduate students, I have instructed several courses such as Programming Languages, Object Oriented programming, Operating Systems, Computer Networks, Cloud Computing, Software Engineering, Data Analysis by using Artificial Intelligent Algorithms. In addition, I have supervised and examined several under- and post- graduation projects in many Computer Science topics.