Dr. Muna Dawood Sallal Alsallal

PhD in Machine Learning (Digital Environment) (2017) – UK

Postgraduate Diploma (PGDip) in Smart Cities (2016)

Diploma in Global Leaders (2015) – UK

MSc in Forensic Computing (2010) - UK

Contact Details:

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Machine learning is the future route for research. I was Developing skills in R,LSI, Python and Stylometric techniques. I'm working in two main projects counterfeit medicine and cells abnormalities detection, where we explore machine learning solutions targeted to improve general health and enhance healthcare procedures' ways. My research interests can include the following but not limited to; machine learning, computational linguistics, image processing, NLP, Computational Statistics, computer vision.

Employment History
Post Title: Senior Lecturer
Name and Address: Almuthanna University, Engineering College
Date of Commencement: 31/08/2020- till now
End date (if applicable):
Reason for Leaving (if applicable):

Post Title: Associate Dean for Scientific Affairs (AD-SA)
Name and Address: Al-Furat Al-Awsat Technical University (ATU)
Date of Commencement: 31/08/2017- 31/08/2020
End date (if applicable):
Reason for Leaving (if applicable):
Job details: The (AD-SA) Works with the Dean and associated committees to develop a strategic academic plan to support the continued enhancement of the teaching and learning environment. (AD-SA) promotes the establishment and development of any "Centers of Academic Excellence" within the university. As a (AD-SA) also participating in interpreting, initiating and coordinating scientific goals and provide regular reports on progress to leadership.

Post Title: Lecturer
Name and Address: Al-Furat Al-Awsat Technical University (ATU)
Date of Commencement: 14/11/2016
End date (if applicable): 30/08/2017
Reason for Leaving (if applicable): Promoting to be as Associate Dean for Scientific Affairs
Job details: Back to Iraq with new vision to improve the level of research, teaching and learning. Designing some led learning activities where delivery was redesigned so that students worked in small groups on realistic integrative engineering projects (new initiative).

Post Title: Research associate
Name and Address: Aberdeen University
Date of Commencement: 21/08/2015
End date (if applicable): 23/03/2016
Reason for Leaving (if applicable): Prepare to finalise my PhD procedure
The project investigated ways of understanding and utilising big data and knowledge graphs for applications, such as those in the treatment of cancers. This involves using IBM Watson's question & answering, knowledge representation and dialogue capabilities. The results of the work also formed the basis of new research proposals from the University for the EU Horizon 2020 Programme.

Post Title: Research Associate
Name and Address: Faculty of Engineering and Computing/UCL/UK
Date of Commencement: 01/08/2014
End date (if applicable): 03/08/2015
Reason for Leaving (if applicable): New post
Job details: I worked on a partnership project that aimed to increase access to affordable and sustainable energy for displaced populations. This idea is assigned to different parties in different times targeted different groups.

Post Title: Lecturer assistant
Name and Address: Faculty of Engineering and Computing
Date of Commencement: 01/08/2013
End date (if applicable): 01/08/2014
Reason for Leaving (if applicable): Upgrade to be lecturer
Job details:
Contribute to the planning of teaching tutorials, refer students as appropriate to services that can provide further help, collaborate with academic colleagues on developing aspects and support students to overcome some learning difficulties.

Post Title: PhD Researcher Internship (Fully paid by UK scholarship scheme)
Name and Address: Digital Environment and Forensic Research
Date of Commencement: 01/10/2012
End date (if applicable): 25/01/2016
Reason for Leaving (if applicable): PhD mission done
I was working on a funded PhD scholarship by iParadigms LLC to extract hidden patterns from anonymous text that helps on uncovering the authorship. New innovative technique was implemented which was registered as a patent.

Post Title: Intercultural Lead Ambassador- Middle East
Name and Address: Centre for Global Engagement, Coventry University
Date of Commencement: 01/02/2012

End date (if applicable): 01/10/2017
Reason for Leaving (if applicable): PhD mission done, leaving UK
Job details*:* Intercultural Lead is a key player of Intercultural engagement projects that lead to engage international students from Middle East region with the view of champion of intercultural competency acquisition. In addition, represents connection points between high level authorities, faculties, and departments of Coventry University.

Post Title: Volunteer
Name and Address: Coventry City Council
Date of Commencement: 01/04/2014
End date (if applicable): 01/04/2015
Reason for Leaving (if applicable): The project ended
Job details*:* It was great opportunity to work with minority families to improve their children's lifestyles and health aspects. It was rich experience full of mixed lessons.

Post Title: International Scholarships Advisor
Name and Address: Provincial Reconstruction Teams in Iraq and USAID / Iraq
Date of Commencement: 05/02/2010
End date (if applicable): 05/08/2010
Reason for Leaving (if applicable): Upgrading
Job details: As one of first successful graduates of the large Iraqi's governmental scholarship programme, I was worked to encourage students to further their postgraduate studies. The project was managed by USAID and Provincial Reconstruction Teams in Iraq and was funded by USA and UN. It aims to enhance Iraqi Higher Education system in Iraq by engaging graduates with recognised academic organisations such as British Council, Fulbright and DAAD programmes.

Post Title: IT specialist advisor for E-Government project
Name and Address: Provincial Reconstruction Teams in Iraq (PRT) and Italian Government
Date of Commencement: 05/08/2010
End date (if applicable): 05/06/2011
Reason for Leaving (if applicable): The Project Stopped due to the political conflicts.
Job details: Submitting technical assessment reports to the Italian's government representative of the project of e-Government in the province of Dhi-Qar. This project was the first e-Government project in Iraq that was launched with the assistance of the Government of Italy.

Post Title: assistant Lecturer
Date of Commencement: 9/10/2001
End date (if applicable): 2008
Reason for Leaving (if applicable): Joined scholarship programme for Msc degree
Job details: Delivering lectures, preparing labs tutorial and marking exams. To carry out research, contribute to the development, planning and reviewing curriculums. Also participating in conferences and workshops inside and outside Iraq.

Educational Background

Level:　　　PhD in Machine Learning
Field of Study: Artificial Intelligence
Major:　　　Software Engineering
Location:　　UK

Level:　　　MSc in Forensic Computing
Field of Study: Cyber Security
Major:　　　Software Engineering
Location:　　UK

Level:　　　BSc Computer Soft & Hardware
Field of Study: Computing
Major:　　　General
Location:　　Iraq

Award/Competition

Winner of the EC/Coventry University Business Plan Simulation Prize
Winner as a team member for Green Technology innovation project Prize
Best paper award In Plagiarism beyond Europe Conference (2013)
Patent draft for distinction approach outcomes of PhD project

Professional Memberships

Professional member in IEEE
Student member in BCS
IEEE CIS Women in Computational Intelligence membership

Languages

Language: Arabic (mother tongue)
Language: English (Fluent)

Training and Development Courses

Learning event title: **Global Developing and Marketing in developed countries**
Learning start date: 29/09/2014
Learning end date: 09/02/2015

Learning event title: **Global Leadership Program**
Learning start date: 06/02/2013
Learning end date: 15/05/2014

Learning event title: **Statistics in R**
Learning start date: 08/04/2014
Learning end date: 06/05/2014

Learning event title: **How to Publish**
Learning start date: 28/09/2013
Learning end date: 10/02/2014

Learning event title: **Communication and ME**
Learning start date: 28/09/2013
Learning end date: 04/02/2014

Learning event title: **Global Developing and Marketing in developing countries**
Learning start date: 01/10/2012
Learning end date: 13/02/2013

Learning event title: **Project Management**
Learning start date: 07/03/2012
Learning end date: 14/03/2012

Wide range courses in Artificial Intelligence

Publications

Albadri, R.F., Alsallal, M.D., Abdulsatar, A.S. and Abbas, Q.H., 2020. The Readiness of E-Government Adoption in Iraq: A Case Study of Al-Muthanna Province. International Journal of Psychosocial Rehabilitation, 24(04).

Hafidh, R., Sharif, M.S. and Alsallal, M., 2019, August. Smart holistic model for children and youth with special educational needs and disabilities. In 2019 International Conference on Computing, Electronics & Communications Engineering (iCCECE) (pp. 130-135). IEEE.

Alsallal, M Iqbal, R., Amin, S. and James, A. And Vasile Palad.,2019. Extrinsic Authorship Model Alsallal, M., Amin, S., Sherief, Mhd., 2019. Decision Support Detection System for Lung Nodule abnormalities based on Machine Learning Algorithm (DeSE2018)

Alsallal, M., Sherief, Mhd., 2018. Machine Learning Technique to Detect Counterfeit Medicine Based on X-Ray Fluorescence Analyser (IEEE).

Sherief, Mhd., Alsallal, M., Lucian Herghelegiu ., 2018. An Effective TeleHealth Assistive System to Support Senior Citizen at Home or Care-Homes

AlSallal, Muna, Rahat Iqbal, Vasile Palade, Saad Amin, and Victor Chang. "An integrated approach for intrinsic plagiarism detection." Future Generation Computer Systems (2017).

AlSallal, M., Iqbal, R., Amin, S., James, A. and Palade, V., 2016, August. An Integrated Machine Learning Approach for Extrinsic Plagiarism Detection. In *Developments in eSystems Engineering (DeSE), 2016 9th International Conference on*(pp. 203-208). IEEE.

Alsallal, M., 2016. *A Machine Learning Approach for Plagiarism Detection* (Doctoral dissertation, Coventry University).

Alsallal, M., Iqbal, R., Amin, S. and James, A., 2013. Intrinsic Plagiarism Detection Using Latent Semantic Indexing and Stylometry. In*Developments in eSystems Engineering (DeSE), 2013 Sixth International Conference on* (pp. 145-150). IEEE.

Alsallal, M. and Iqbal, R., 2012. An Approach to Detect Illegal Similarity in Research Literature Using Latent Semantic Indexing. In: *PLAGIARISM ACROSS EUROPE AND BEYOND*. [online] Brno: ACM, p.93. Available at: https://plagiarism.pefka.mendelu.cz/files/proceedings.pdf

Alsallal, M , Phil Lovett., 2009 E-government: The case of Iraq

Alsallal, M.,2002. Optimizing search engines. In Proceedings of the eighth ACM SIGKDD international conference on Knowledge discovery and data mining (pp. 133-142). ACM.

IDs

Google Scholar: Muna Alsallal
https://scholar.google.com/scholar?hl=en&as_sdt=0%2C5&q=Muna+Alsallal&btnG=

Research Gate: Muna Alsallal
https://www.researchgate.net/profile/Muna_Alsallal2?ev=hdr_xprf&_sg=4s_oSpJyGYJ89Tvv G7OL_0FTCrdz_ew5YqFfPqJUwft2S77oAT8o4LzY2kdwvoUGbxMbBtLRrObqsEQDLvGK1Rhp

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