

Muhammad Sohail

Assistant Professor

NUST Balochistan Campus

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About

Dr. Muhammad Sohail is working as Assistant Professor in the NUST Balochistan Campus. Dr. Muhammad Sohail has a PhD in Machine Learning. Dr. Muhammad Sohail has published 6 research articles & conference papers having a citation count of 15, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Machine Learning Donghua University, Shanghai , China	2016 - 2023
MS in Computer Science Software Engineering NUST, Islamabad , Pakistan	2014 - 2016
MSc in Computer Science Gomal University , Pakistan	2001 - 2004
BSc in BSc Computer Science Gomal University , Pakistan	1998 - 2000
F.Sc in Engineering Board of Intermediate and Secondary Education, Bannu , Pakistan	1996 - 1997

Experience

Assistant Professor NUST Balochistan Campus	2023- Present
Certificate 5 - Structuring Machine Learning Projects DeepLearning.AI , https://coursera.org/verify/JEKB9QWMP9S9	2018 - 2018
Certification 2 - Convolutional Neural Networks DeepLearning.AI , https://coursera.org/verify/KLPL9HN7HMXV	2017 - 2018
Certificate 4 - Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization DeepLearning.AI , https://coursera.org/verify/BPBDDVU57YVC	2017 - 2018
Certification 1 - Machine Learning Stanford University Online , https://www.coursera.org/account/accomplishments/verify/67V5LBR6E6QR	2017 - 2018
Certificate 3 -Neural Networks and Deep Learning DeepLearning.AI , https://coursera.org/verify/DY7BFPJFPPLV	2017 - 2018
Sr.Software Engineer Virtelligence Inc. , 6216 Baker Rd , Suite 100, EdenPrairie, MN 55346-1953 USA	2014 - 2016
Sr. Software Engineer & Team Lead uTrade Inc. , House: 10, Stree: 17-A, ChaklalaScheme 3, Rawalpindi, pk	2012 - 2014
Sr. Software Engineer Datum Square , STP-3, Ground Floor, Plot-155, Service Road North,Sector I-9/3, Islamabad, Pakistan	2010 - 2012
Sr. Software Engineer Adaptive Solutions Inc. , 1800 JFK Boulevard , Suite 300, Philadelphia, Pennsylvania 19103, US	2005 - 2009
Web Developer Softech Media Inc , Suite # 6, Awan Plaza, G-8 Markaz , Islamabad,46000, Pakistan.	2005 - 2005
Jr. Software Engineer Levington Technology Islamabad , # 21,Street # 18,F-7/2, Islamabad	2004 - 2005

Research Articles

Tensor ring with alternative change mask for multitemporal hyperspectral image change detection <i>Muhammad Sohail Zhao Chen Guohua Liu</i> <i>Pattern Recognition Letters</i> , Volume 164, Pages 46-52 Impact Factor: 4.757 Quartile: 2 Citations: 3 DOI: https://doi.org/10.1016/j.patrec.2022.10.023	2022
Multiscale spectral-spatial feature learning for hyperspectral image classification <i>Muhammad Sohail Zhao Chen Bin Yang Guohua Liu</i> <i>Displays</i> , Volume 74, Article Number 102278 Impact Factor: 3.074 Quartile: 2 Citations: 7 DOI: 10.1016/j.displa.2022.102278	2022
Unsupervised and Self-Supervised Tensor Train for Change Detection in Multitemporal Hyperspectral Images <i>Muhammad Sohail Haonan Wu Zhao Chen Guohua Liu</i> <i>Electronics</i> , Volume 11, Issue 9, Article Number 1486 Impact Factor: 2.690 Quartile: 3 Citations: 5 DOI: 10.3390/electronics11091486	2022

Conference Proceedings

- Fire Classification Using Attention-Based Deep-CNN in Digital Images** 2023
Din Sami Ud Muhammad Sohail Fang Han Hayat Shoaib Hussain Muhammad Ather Iqbal
2023 10th International Conference on Electrical and Electronics Engineering, ICEEE 2023, res.country(224,)
Citations: N/A
DOI: 10.1109/ICEEE59925.2023.00009
- A Tensor Train Based Change Detection Method for Multitemporal Hyperspectral Images** 2021
Muhammad Sohail, Zhao Chen, Guohua Liu Zhao Chen Guohua Liu
2021 3rd International Conference on Pattern Recognition and Intelligent Systems, res.country(217,)
Citations: N/A
DOI: 10.1145/3480651.3480666
- Low-rank matrix decomposition with a spectral-spatial regularization for change detection in hyperspectral imagery** 2017
Muhammad Sohail Zhao Chen Bin Wang
2017 - International Workshop on Remote Sensing with Intelligent Processing, Proceedings, res.country(48,)
Citations: N/A
DOI: 10.1109/RSIP.2017.7958816

Editorial Activities

- Displays** 2025
Reviewed Papers for Journals
Impact Factor: 3.7
- Displays** 2024
Reviewed Papers for Journals
Impact Factor: 4.3
- Displays** 2024
Reviewed Papers for Journals
Impact Factor: 3.7
- Signal, Image and Video Processing** 2024
Reviewed Papers for Journals
Impact Factor: 1.8
- Earth Science Informatics** 2024
Reviewed Papers for Journals
Impact Factor: 2.9
- Open access information** 2023
Reviewed Papers for Journals
Impact Factor: 4.3