

Rabia Irfan
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About

Dr. Rabia Irfan is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Rabia Irfan has a PhD in Data Science, Machine Learning. Dr. Rabia Irfan has published 17 research articles & conference papers having a citation count of 383, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Data Science, Machine Learning NUST, Islamabad , Pakistan	2012 - 2018
MS in Information Reterieval, Information Extraction NUST, Islamabad , Pakistan	2009 - 2012
BE in Computer Information Systems NED UET Karachi , Pakistan	2002 - 2006

Experience

Assistant Professor School of Electrical Engineering and Computer Science	2024- Present
Assistant Professor School of Electrical Engineering and Computer Science	2019 - 2024
Visiting Faculty National University of Sciences and Technology , H-12 Campus, Islamabad, Pakistan	2018 - 2019
Visiting Faculty National University of Sciences and Technology , H-12 Campus, Islamabad, Pakistan	2014 - 2015

Awards

Presidential Goldmedal I was awarded Presidential Gold medal in my MS done from NUST.	2014
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Professional Memberships

PEC

Research Projects

National Projects	
Content Extraction and Filtering from Video Stream Funding Agency: NESCOM Amount: PKR 2,000,000.00 Status: Approved_inprocess	2023

International Projects

Online Recruitment Fraud (ORF) Detection Using Deep Learning Approaches

2024

Natasha Akram Rabia Irfan Ahmad Sami Al-Shamayleh Adila Kousar Abdul Qaddos Muhammad Imran Adnan Akhunzada
IEEE Access , Volume 12, Pages 109388-109408

Impact Factor: 3.400 | **Quartile:** 2 | **Citations:** 2

DOI: 10.1109/ACCESS.2024.3435670

Designing and Investigating the Impact of an AR Application for Learning Spatial Thinking Skills at Middle Level

2024

Tahira Anwar Lashari Rabia Irfan Saima Anwar Lashari Mian Talha Aziz Tashfa Afzal Sana Anwar Lashari
International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems, Volume 32, No. 7, Pages 1093-1110

Impact Factor: 1.000 | **Quartile:** 4

DOI: <https://doi.org/10.1142/S021848852440018X>

Enhancing Tandem Solar Cell's efficiency through convolutional neural network-based optimization of metasurfaces

2023

Ayesha Razi Amna Safdar Rabia Irfan
Materials & Design , Volume 236, Article Number 112475

Impact Factor: 8.4 | **Quartile:** 1 | **Citations:** 7

DOI: <https://doi.org/10.1016/j.matdes.2023.112475>

Comprehensive sentimental analysis of tweets towards COVID-19 in Pakistan: a study on governmental preventive measures

2023

Muhammad Faisal Ali Rabia Irfan Tahira Anwar Lashari
PeerJ Computer Science , Pages: 33

Impact Factor: 3.8 | **Quartile:** 2 | **Citations:** 3

DOI: 10.7717/peerj-cs.1220

Automatic Taxonomy Generation and Incremental Evolution on Apache Spark Parallelization Framework

2022

Kanwal Aaliyah Rabia Irfan Umara Umar Sanam Nayab
KIET Journal of Computing and Information Sciences, Volume 5, Issue 1, Pages 15-36

Impact Factor: N/A

DOI: 10.51153/kjcis.v5i1.83

Efficient Water Quality Prediction Using Supervised Machine Learning

2019

Umair Ahmed Rafia Mumtaz Hirra Anwar Asad Ali Shah Rabia Irfan José García-Nieto
Water , Volume 11, Issue 11, Article Number:2210

Impact Factor: 2.544 | **Quartile:** 2 | **Citations:** 351

DOI: 10.3390/w11112210

Determining influential factors and challenges in automatic taxonomy generation: a systematic literature review of techniques 1999-2016

2019

Rabia Irfan Sharifullah Khan Muhammad Azeem Abbas Asad Ali Shah
Information Research – An International Electronic Journal, Volume 24 ,No. 2,

Impact Factor: 0.763 | **Quartile:** 4

DOI: -

TIE algorithm: a layer over clustering-based taxonomy generation for handling evolving data

2018

Rabia Irfan Ali Mustafa Qamar Sharifullah Khan Kashif Mahmood Rajpoot
Frontiers of Information Technology & Electronic Engineering, Volume 19, Issue 6, Pages 763-782

Impact Factor: 1.033 | **Quartile:** 3 | **Citations:** 2

DOI: 10.1631/FITEE.1700517

Refining Kea++ automatic keyphrase assignment

2014

Rabia Irfan Sharifullah Khan Ali Mustafa Qamar Peter Charles Bloodsworth
Journal of Information Science , Volume 40, Issue 4, Pages 446-459

Impact Factor: 1.158 | **Quartile:** 2 | **Citations:** 3

DOI: <https://doi.org/10.1177/0165551514529054>

- MIoT-based Smart Cardiac Healthcare Monitoring System for Ubiquitous Healthcare Services** 2023
Sanam Nayab Rabia Irfan Umara Umar
2023 17th International Conference on Open Source Systems and Technologies, ICOSST 2023 - Proceedings, res.country(177,)
Citations: N/A
DOI: 10.1109/ICOSST60641.2023.10414195
- Improving the Performance of Pakistan's Justice System and its Ranking Using Data Analytics** 2022
Faisal Mehmood Rabia Irfan
IEEE 19th International Conference on Smart Communities: Improving Quality of Life Using ICT, IoT and AI, HONET 2022 res.country(233,)
Citations: 1
DOI: 10.1109/HONET56683.2022.10019181
- Text Summarization from Judicial Records using Deep Neural Machines** 2022
Ayesha Sarwar Seemab Latif Rabia Irfan Adnan ul-Hassan Faisal Shafait
International Conference on Electrical, Computer, Communications and Mechatronics Engineering, ICECCME 2022 res.country(154,)
Citations: N/A
DOI: 10.1109/ICECCME55909.2022.9987795
- Comparison of Transformer Models for Information Extraction from Court Room Records in Pakistan** 2022
Nida Ahmed Seemab Latif Rabia Irfan Adnan ul-Hassan Faisal Shafait
International Conference on Electrical, Computer, Communications and Mechatronics Engineering, ICECCME 2022 res.country(154,)
Citations: 1
DOI: 10.1109/ICECCME55909.2022.9988642
- IoT-based Cardiac Healthcare System for Ubiquitous Healthcare Service** 2021
Umara Umar Muazzam A. Khattak Rabia Irfan Jawad Ahmad
2021 International Congress of Advanced Technology and Engineering (ICOTEN), res.country(245,)
Citations: 6
DOI: 10.1109/ICOTEN52080.2021.9493478
- Scalable Taxonomy Generation and Evolution on Apache Spark** 2020
Kanwal Aaliyah Rabia Irfan
2020 IEEE Intl Conf on Dependable, Autonomic and Secure Computing, Intl Conf on Pervasive Intelligence and Computing, Intl Conf on Cloud and Big Data Computing, Intl Conf on Cyber Science and Technology Congress (DASC/PiCom/CBDCCom/CyberSciTech) , res.country(38,)
Citations: N/A
DOI: 10.1109/DASC-PiCom-CBDCCom-CyberSciTech49142.2020.00110

Editorial Activities

IEEE Access Reviewed Papers for Journals Impact Factor: N/A	2024
IEEE Access Reviewed Papers for Journals Impact Factor: 3.40	2023
Microsoft CMT Reviewed Papers for Journals Impact Factor: N/A	2023
Microsoft CMT Reviewed Papers for Journals Impact Factor: NA	2023
Microsoft CMT Reviewed Papers for Journals Impact Factor: NA	2023
Microsoft CMT Reviewed Papers for Journals Impact Factor: NA	2023
Microsoft CMT Reviewed Papers for Journals Impact Factor: NA	2023
Information Processing and Management Reviewed Papers for Journals Impact Factor: 8.6	2022
Information Processing and Management Reviewed Papers for Journals Impact Factor: 8.6	2022
Journal of Information Science Reviewed Papers for Journals Impact Factor: 2.4	2022
Journal of Information Science Reviewed Papers for Journals Impact Factor: 2.462	2022
 Reviewed Papers for Journals Impact Factor: 3.745	2020

Trainings

Advanced AI Bootcamp on Large Language Models (LMM) Partner: Ashar Aziz Foundation (SkyLabs) Duration: 30-May-2024 to 29-Aug-2024	2024
Advanced AI Bootcamp on Deep Neural Networks (DNN) Partner: Ashar Aziz Foundation Duration: 11-Aug-2023 to 17-Nov-2023	2023