

Hafiz Syed Muhammad Bilal Ali

Assistant Professor
School of Electrical Engineering and Computer Science

Email: manager.networks@nust.edu.pk
Contact: 033495775
LinkedIn:



About

Dr. Hafiz Syed Muhammad Bilal Ali is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Hafiz Syed Muhammad Bilal Ali has a PhD in Computer Engineering. Dr. Hafiz Syed Muhammad Bilal Ali has published 23 research articles & conference papers having a citation count of 478, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Computer Engineering Kyunghee University , South Korea	2014 - 2021
MS in Object Oriented Software Engineering NUST, Islamabad , Pakistan	2005 - 2008
BSc in Computer Science and Engineering UET Lahore , Pakistan	2001 - 2005

Experience

Assistant Professor School of Electrical Engineering and Computer Science	2022- Present
Assistant Professor School of Electrical Engineering and Computer Science	2021 - 2022
Assistant Professor School of Electrical Engineering and Computer Science	2021 - 2021
Assistant Professor School of Electrical Engineering and Computer Science	2011 - 2021
Lecturer School of Electrical Engineering and Computer Science	2008 - 2011
Assistant Professor SEECs-NUST , H-12 Islamabad	2011 - 2014
Lecturer SEECs-NUST , H-12 Islamabad	2008 - 2011

Research Articles

Current Trends and Advances in Extractive Text Summarization: A Comprehensive Review <i>Maryam Azam Shah Khalid SULAIMAN ALMUTAIRI Hasan Ali Khattak ABDALLAH NAMOUN AMJAD ALI Hafiz Syed Muhammad Bilal Ali</i> <i>IEEE Access</i> , Volume:13, Page(s): 28150-28166 Impact Factor: 3.400 Quartile: 2 Citations: 5 DOI: 10.1109/ACCESS.2025.3538886	2025
A Hybrid Multimodal Emotion Recognition Framework for UX Evaluation Using Generalized Mixture Functions <i>Fahad Ahmed Satti Hafiz Syed Muhammad Bilal Ali Muhammad Asif Razzaq Jamil Hussain Jaehun Bang Cam-Hao Hua Ubaid Ur Rehman Seong Tae Kim Sungyoung Lee</i> <i>Sensors</i> , Volume 23, Issue 9, Article Number 4373 Impact Factor: 3.9 Quartile: 2 Citations: 11 DOI: 10.3390/s23094373	2023

Rationale design and efficacy of a smartphone application for improving self-awareness of adherence to edoxaban treatment: study protocol for a randomised controlled trial (adhere app) <i>In-Cheol Kim Ji Hyun Lee Dong-Ju Choi Sung-Ji Park Ju-Hee Lee Sang Min Park Mina Kim Hack-Lyoung Kim Sunki Lee In Jai Kim Seongheon Choi Jaehun Bang Hafiz Syed Muhammad Bilal Ali Musarrat Hussain Taqdir Ali Sungyoung Lee</i> <i>BMJ open</i> , Volume 12, Issue 4, Article Number e048777 Impact Factor: 3.006 Quartile: 2 Citations: 3 DOI: 10.1136/bmjopen-2021-048777	2022
Clinical decision support system based on hybrid knowledge modeling: A case study of chronic kidney disease-mineral and bone disorder treatment <i>Syed Imran Ali Su Woong Jung Hafiz Syed Muhammad Bilal Ali Sang-Ho Lee Jamil Hussain Muhammad Afzal Maqbool Hussain Taqdir Ali Taechoong Chung Sungyoung Lee</i> <i>International Journal of Environmental Research and Public Health</i> , Volume 19, Issue 1, Article Number 26 Impact Factor: 4.614 Quartile: 1 Citations: 7 DOI: doi.org/10.3390/ijerph19010226	2021
A practical approach towards causality mining in clinical text using active transfer learning <i>Musarrat Hussain Fahad Ahmed Satti Jamil Hussain Taqdir Ali Syed Imran Ali Hafiz Syed Muhammad Bilal Ali Gwang Hoon Park Sungyoung Lee TaeChoong Chung</i> <i>Journal of Biomedical Informatics</i> , Volume 123, Article Number 103932 Impact Factor: 8.000 Quartile: 1 Citations: 8 DOI: https://doi.org/10.1016/j.jbi.2021.103932	2021
Clinical concept extraction with lexical semantics to support automatic annotation <i>Asim Abbas Muhammad Afzal Jamil Hussain Taqdir Ali Hafiz Syed Muhammad Bilal Ali Sungyoung Lee Seokhee Jeon</i> <i>International Journal of Environmental Research and Public Health</i> , Volume 18, Issue 20, Article Number 10564 Impact Factor: 4.614 Quartile: 1 Citations: 13 DOI: https://doi.org/10.3390/ijerph182010564	2021
Unsupervised Semantic Mapping for Healthcare Data Storage Schema <i>Fahad Ahmed Satti Musarrat Hussain Jamil Hussain Syed Imran Ali Taqdir Ali Hafiz Syed Muhammad Bilal Ali TAECHOONG CHUNG Sungyoung Lee</i> <i>IEEE Access</i> , Volume:9, Page:107267-107278 Impact Factor: 3.367 Quartile: 2 Citations: 4 DOI: 10.1109/ACCESS.2021.3100686	2021
Text Classification in Clinical Practice Guidelines Using Machine-Learning Assisted Pattern-Based Approach <i>Musarrat Hussain Jamil Hussain Taqdir Ali Syed Imran Ali Hafiz Syed Muhammad Bilal Sungyoung Lee TAECHOONG CHUNG</i> <i>Applied Sciences</i> , Volume:11, Issue:8, Impact Factor: 2.838 Quartile: 2 Citations: 7 DOI: https://doi.org/10.3390/app11083296	2021
Exploring the dominant features of social media for depression detection <i>Jamil Hussain Fahad Ahmed Satti Muhammad Afzal Wajahat Ali Khan Hafiz Syed Muhammad Bilal Ali Muhammad Zaki Ansar Hafiz Farooq Ahmed Taeho Hur Jaehun Bang Jee-In Kim Gwang Hoon Park Hyonwoo Seung Sungyoung Lee</i> <i>Journal of Information Science</i> , Volume 46, Issue 6, Pages 739-759 Impact Factor: 3.282 Quartile: 2 Citations: 47 DOI: https://doi.org/10.1177/0165551519860469	2020
Ensemble Feature Ranking for Cost-Based Non-Overlapping Groups: A Case Study of Chronic Kidney Disease Diagnosis in Developing Countries <i>Syed Imran Ali Hafiz Syed Muhammad Bilal Ali Musarrat Hussain Jamil Hussain Fahad Ahmed Satti Maqbool Hussain GWANG HOON PARK TAECHOONG CHUNG Sungyoung Lee</i> <i>IEEE Access</i> , Volume 8, Pages 215623-215648 Impact Factor: 3.367 Quartile: 2 Citations: 17 DOI: 10.1109/ACCESS.2020.3040650	2020
Towards user-centric intervention adaptiveness: Influencing behavior-context based healthy lifestyle interventions <i>Hafiz Syed Muhammad Bilal Ali Muhammad Bilal Amin Jamil Hussain Syed Imran Ali Muhammad Asif Razzaq Musarrat Hussain Asim Abbas Turi Gwang Hoon Park Sun Moo Kang Sungyoung Lee</i> <i>IEEE Access</i> , Volume 8, Pages 177156-177179 Impact Factor: 3.367 Quartile: 2 Citations: 4 DOI: 10.1109/ACCESS.2020.3026688	2020

activity recognition

Muhammad Asif Razzaq Javier Medina Quero Ian Cleland Chris Nugent Usman Akhtar Hafiz Syed Muhammad Bilal Ubaid Ur Rehman Sungyoung Lee

Multimedia Systems , Volume:26, Issue:5, Page:553-569

Impact Factor: 1.935 | **Quartile:** 2 | **Citations:** 18

DOI: <https://doi.org/10.1007/s00530-020-00664-7>

On computing critical factors based healthy behavior index for behavior assessment

2020

Hafiz Syed Muhammad Bilal Ali Muhammad Bilal Amin Jamil Hussain Syed Imran Ali Shujaat Hussain Muhammad Sadiq Muhammad Asif Razzaq Asim

Abbas Chunho Choi Sungyoung Lee

International Journal of Medical Informatics, Volume 141, Article Number 104181

Impact Factor: 4.046 | **Quartile:** 1 | **Citations:** 7

DOI: <https://doi.org/10.1016/j.ijmedinf.2020.104181>

Cost-sensitive ensemble feature ranking and automatic threshold selection for chronic kidney disease

2020

diagnosis

Syed Imran Ali Hafiz Syed Muhammad Bilal Ali Jamil Hussain Musarrat Hussain Fahad Ahmed Satti Gwang Hoon Park Sungyoung Lee

Applied Sciences , Volume 10, Issue 16, Article Number 5663

Impact Factor: 2.679 | **Quartile:** 2 | **Citations:** 10

DOI: <https://doi.org/10.3390/app10165663>

A multimodal deep log-based user experience (UX) platform for UX evaluation

2018

Jamil Hussain Wajahat Ali Khan Taehe Hur Hafiz Syed Muhammad Bilal Jaehun Bang Anees Ul Hassan Muhammad Afzal Sungyoung Lee

Sensors , Volume 18, Issue 5, Article Number 1622

Impact Factor: 3.031 | **Quartile:** 1 | **Citations:** 47

DOI: <https://doi.org/10.3390/s18051622>

Model-based adaptive user interface based on context and user experience evaluation

2018

Jamil Hussain Anees Ul Hassan Hafiz Syed Muhammad Bilal Rehman Ali Muhammad Afzal Shujaat Hussain Jaehun Bang Oresti Banos Sungyoung Lee

Journal on Multimodal User Interfaces, Volume 12, Issue 1, Pages 1-16

Impact Factor: 2.020 | **Quartile:** 2 | **Citations:** 107

DOI: <https://doi.org/10.1007/s12193-018-0258-2>

iCBLS: An interactive case-based learning system for medical education

2018

Maqbool Ali Soyeon Caren Han Hafiz Syed Muhammad Bilal Ali Sungyoung Lee Matthew Jee Yun Kang Byeong Ho Kang Muhammad Asif Razzaq

Muhammad Bilal Amin

International Journal of Medical Informatics, Volume 109, Pages 55-69

Impact Factor: 2.731 | **Quartile:** 2 | **Citations:** 65

DOI: <https://doi.org/10.1016/j.ijmedinf.2017.11.004>

IoTFLiP: IoT-based flipped learning platform for medical education

2017

Maqbool Ali Hafiz Syed Muhammad Bilal Muhammad Asif Razzaq Jawad Khan Sungyoung Lee Muhammad Idris Muhammad Azam Taebong Choi Soyeon

Caren Han Byeong Ho Kang

Digital Communications and Networks, Volume 3, Issue 3, Pages 188-194

Impact Factor: N/A | **Citations:** 56

DOI: <https://doi.org/10.1016/j.dcan.2017.03.002>

On curating multimodal sensory data for health and wellness platforms

2016

Muhammad Bilal Amin Oresti Banos Wajahat Ali Khan Hafiz Syed Muhammad Bilal Ali Jinhyuk Gong Dinh-Mao Bui Soung Ho Cho Shujaat Hussain Taqdir

Ali Usman Akhtar Tae Choong Chung Sungyoung Lee

Sensors , Volume 16, Issue 7, Article Number 980

Impact Factor: 2.677 | **Quartile:** 1 | **Citations:** 39

DOI: <https://doi.org/10.3390/s16070980>

MRPack: Multi-algorithm execution using compute-intensive approach in MapReduce

2015

Muhammad Idris Shujaat Hussain Muhammad Hameed Siddiqi Waseem Hassan Hafiz Syed Muhammad Bilal Ali Sungyoung Lee

PLoS ONE , Volume 10, Issue 8, Article Number e0136259

Impact Factor: 3.057 | **Quartile:** 1 | **Citations:** 3

DOI: <https://doi.org/10.1371/journal.pone.0136259>

Cross-Platform Integration in Legacy Mobile Apps for Code Reuse and Reduced Development Efforts <i>Muhammad Moazam Fraz Syed Imran Ali Fahad Ahmed Satti Hafiz Syed Muhammad Bilal Ali Hannan Arif</i> <i>21st International Conference on Frontiers of Information Technology (FIT 2024), res.country(177,)</i> Citations: N/A DOI: 10.1109/FIT63703.2024.10838348	2024
A Large-Scale Font-Diverse Sindhi Ligature Recognition System <i>Zeeshan Ali Safdar Abbas Khan M. Khuram Shahzad H. S. M. Bilal</i> <i>2023 International Conference on Frontiers of Information Technology, FIT 2023, res.country(177,)</i> Citations: N/A DOI: 10.1109/FIT60620.2023.00033	2023
PNRG: Knowledge Graph-Driven Methodology for Personalized Nutritional Recommendation Generation <i>Aminah Bilal Lodhi Hafiz Syed Muhammad Bilal Kifayat Ullah Khan Fahad Ahmed Satti Shah Khalid Sungyoung Lee</i> <i>International Conference on Smart Living and Public Health, ICOST 2023, res.country(259,)</i> Citations: N/A DOI: 10.1007/978-3-031-43950-6_20	2023

Editorial Activities

IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2024
IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2024
IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2024
IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2024
IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2024
IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2024
IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2024
IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2024
IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2024
IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2024
Journal of American College Health Reviewed Papers for Journals Impact Factor: 1.6	2023
Journal of American College Health Reviewed Papers for Journals Impact Factor: 2.394	2022
Mathematical Problems in Engineering Reviewed Papers for Journals Impact Factor: 1.430	2022
Journal of Healthcare Engineering Reviewed Papers for Journals Impact Factor: 3.822	2022

Trainings

Practical AI Simplified for Non-Computing Professionals Partner: 0 Duration: 02-Jul-2024 to 06-Sep-2024	2024
--	------