

Fahad Ahmed Satti

Assistant Professor
School of Electrical Engineering and Computer Science

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About

Dr. Fahad Ahmed Satti is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Fahad Ahmed Satti has a PhD in Software Engineering. Dr. Fahad Ahmed Satti has published 19 research articles & conference papers having a citation count of 176, carried out 4 projects and filed 0 intellectual property.

Qualifications

PhD in Software Engineering Kyunghee University , South Korea	2018 - 2023
MS in Internet Technologies University of Trento , Italy	2011 - 2014
BS in NA NUST, Islamabad , Pakistan	2004 - 2008

Experience

Assistant Professor School of Electrical Engineering and Computer Science	2024- Present
Assistant Professor School of Electrical Engineering and Computer Science	2023 - 2024
Assistant Professor School of Electrical Engineering and Computer Science	2018 - 2023
Assistant Professor School of Electrical Engineering and Computer Science	2017 - 2018
Lecturer School of Electrical Engineering and Computer Science	2015 - 2017

Research Projects

National Projects	
Interactive Wellness Monitoring Platform with KIOSK Interface and Gamification Funding Agency: NUST Amount: PKR 500,000.00 Status: Approved_inprocess	2025
CASREW : Uncovering Abiotic Stress in Rain-Fed Wheat Crop through UAV based Multi-Sensor Imagery Fusion Funding Agency: DAAD - German Academic Exchange Service Amount: PKR 15,406,148.00 Status: Approved_inprocess	2023
PEEOS: Phenology Estimation of Rice and Wheat in Pakistan using Earth Observation Satellite Imagery Funding Agency: HEC Amount: PKR 19,950,000.00 Status: Completed	2021

International Projects

Industry Projects

National Projects

8th Quarterly Payment of NUST-OneScreen Collaboration	2023
Client: OneScreen Solution (registered as Clarylcon)	
Amount: PKR 1,506,176.00	
Status: Completed	

International Projects

A Hybrid Multimodal Emotion Recognition Framework for UX Evaluation Using Generalized Mixture

2023

Functions

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

Sensors , Volume 23, Issue 9, Article Number 4373

Impact Factor: 3.9 | **Quartile:** 2 | **Citations:** 11

DOI: 10.3390/s23094373

A semantic sequence similarity based approach for extracting medical entities from clinical conversations

2023

Fahad Ahmed Satti Musarrat Hussain Syed Imran Ali Misha Saleem Husnain Ali Tae Choong Chung Sungyoung Lee

Information Processing and Management, Volume 60, Issue 2, Article Number 103213

Impact Factor: 7.466 | **Quartile:** 1 | **Citations:** 10

DOI: <https://doi.org/10.1016/j.ipm.2022.103213>

Intelligent knowledge consolidation: From data to wisdom[Formula presented]

2021

Fahad Ahmed Satti Syed Imran Ali Musarrat Hussain Jamil Hussain Taqdir Ali Hun-Sung Kim Kun-Ho Yoon TaeChoong Chung Sungyoung Lee

Knowledge-Based Systems , Volume 234, Article Number 107578

Impact Factor: 8.139 | **Quartile:** 1 | **Citations:** 12

DOI: <https://doi.org/10.1016/j.knosys.2021.107578>

A practical approach towards causality mining in clinical text using active transfer learning

2021

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

TaeChoong Chung

Journal of Biomedical Informatics , Volume 123, Article Number 103932

Impact Factor: 8.000 | **Quartile:** 1 | **Citations:** 8

DOI: <https://doi.org/10.1016/j.jbi.2021.103932>

Unsupervised Semantic Mapping for Healthcare Data Storage Schema

2021

Fahad Ahmed Satti Musarrat Hussain Jamil Hussain Syed Imran Ali Taqdir Ali Hafiz Syed Muhammad Bilal Ali TAECHOONG CHUNG Sungyoung Lee

IEEE Access , Volume:9, Page:107267-107278

Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 3

DOI: 10.1109/ACCESS.2021.3100686

Exploring the dominant features of social media for depression detection

2020

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

Journal of Information Science , Volume 46, Issue 6, Pages 739-759

Impact Factor: 3.282 | **Quartile:** 2 | **Citations:** 48

DOI: <https://doi.org/10.1177/0165551519860469>

Ensemble Feature Ranking for Cost-Based Non-Overlapping Groups: A Case Study of Chronic Kidney Disease Diagnosis in Developing Countries

2020

Syed Imran Ali Hafiz Syed Muhammad Bilal Ali Musarrat Hussain Jamil Hussain Fahad Ahmed Satti Maqbool Hussain GWANG HOON PARK TAECHOONG CHUNG Sungyoung Lee

IEEE Access , Volume 8, Pages 215623-215648

Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 18

DOI: 10.1109/ACCESS.2020.3040650

Ubiquitous Health Profile (UHPr): a big data curation platform for supporting health data interoperability

2020

Fahad Ahmed Satti Taqdir Ali Jamil Hussain Wajahat Ali Khan Asad Masood Khattak Sungyoung Lee

Computing , Volume 102, Issue 11, Pages 2409-2444

Impact Factor: 2.220 | **Quartile:** 2 | **Citations:** 33

DOI: <https://doi.org/10.1007/s00607-020-00837-2>

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

2020

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:** 11

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

Cross-Platform Integration in Legacy Mobile Apps for Code Reuse and Reduced Development Efforts
Muhammad Moazam Fraz Syed Imran Ali Fahad Ahmed Satti Hafiz Syed Muhammad Bilal Ali Hannan Arif
21st International Conference on Frontiers of Information Technology (FIT 2024), res.country(177,)
Citations: N/A
DOI: 10.1109/FIT63703.2024.10838348

2024

Content-Aware Entity Alignment: Utilizing Structural and Semantic Similarities for Enhanced Inter-Knowledge Graph Integration
Faiqa Mehboob Fahaf Ahmed Satti Syed Imran Ali Muhammad Moazam Fraz
4th International Conference on Digital Futures and Transformative Technologies (ICoDT2), res.country(177,)
Citations: N/A
DOI: 10.1109/ICoDT262145.2024.10740203

2024

Enhancing Cotton Crop Mapping in Pakistan: Integrating Transfer and Active Learning with Remote Sensing Technologies
Noor Us Sabah Zuhair Zafar Fahaf Ahmed Satti Karsten Berns Muhammad Moazam Fraz
4th International Conference on Digital Futures and Transformative Technologies (ICoDT2), res.country(177,)
Citations: N/A
DOI: 10.1109/ICoDT262145.2024.10740196

2024

PNRG: Knowledge Graph-Driven Methodology for Personalized Nutritional Recommendation Generation
Aminah Bilal Lodhi Hafiz Syed Muhammad Bilal Kifayat Ullah Khan Fahad Ahmed Satti Shah Khalid Sungyoung Lee
International Conference on Smart Living and Public Health, ICOST 2023, res.country(259,)
Citations: N/A
DOI: 10.1007/978-3-031-43950-6_20

2023

Significance of Syntactic Type Identification in Embedding Vector based Schema Matching
Fahad Ahmed Satti Musarrat Hussain Sungyoung Lee Tae Choong Chung
2022 16th International Conference on Ubiquitous Information Management and Communication (IMCOM), res.country(121,)
Citations: N/A
DOI: 10.1109/IMCOM53663.2022.9721780

2022

Adaptive Digital Encounters: An approach for reducing digital impact on outpatient flow
Fahad Ahmed Satti TaeChoong Chung Sungyoung Lee
2021 2nd Asia Conference on Computers and Communications, ACCC 2021, res.country(48,)
Citations: N/A
DOI: 10.1109/ACCC54619.2021.00032

2021

User Stress Modeling through Galvanic Skin Response
Fahad Ahmed Satti Musarrat Hussain Jamil Hussain Tae-Seong Kim Sungyoung Lee TaeChoong Chung
15th International Conference on Ubiquitous Information Management and Communication, IMCOM 2021, res.country(121,)
Citations: 4
DOI: 10.1109/IMCOM51814.2021.9377380

2021

Semantic Bridge for Resolving Healthcare Data Interoperability
Fahad Ahmed Satti Wajahat Ali Khan Taqdir Ali Jamil Hussain Hyeong Won Yu Seoungae Kim Sungyoung Lee
International Conference on Information Networking, res.country(68,)
Citations: 4
DOI: 10.1109/ICOIN48656.2020.9016461

2020

Holistic User eXperience in Mobile Augmented Reality Using User eXperience Measurement Index
Fahad Ahmed Satti Jamil Hussain Hafiz Syed Muhammad Bilal Wajahat Ali Khan Asad Masood Khattak Ju Eun Yeon Sungyoung Lee
2nd International Conference on Next Generation Computing Applications 2019, NextComp 2019 - Proceedings, res.country(153,)
Citations: 7
DOI: 10.1109/NEXTCOMP.2019.8883528

2019

Resolving data interoperability in ubiquitous health profile using semi-structured storage and processing
Fahad Ahmed Satti Wajahat Ali Khan Ganghun Lee Asad Masood Khattak Sungyoung Lee
ACM Symposium on Applied Computing, res.country(55,)
Citations: 7
DOI: 10.1145/3297280.3297354

2019

Editorial Activities

npj Digital Medicine Reviewed Papers for Journals Impact Factor: 3.43(JCI)	2025
BMC Medical Informatics and Decision Making Reviewed Papers for Journals Impact Factor: 3.3	2025
npj Digital Medicine Reviewed Papers for Journals Impact Factor: 3.43(JCI)	2025
BMC Pregnancy and Childbirth Reviewed Papers for Journals Impact Factor: 2.8	2025
npj Digital Medicine Reviewed Papers for Journals Impact Factor: 3.43(JCI)	2024
CMC-Computers, Materials & Continua Reviewed Papers for Journals Impact Factor: 2.1	2024
Evolutionary Intelligence Reviewed Papers for Journals Impact Factor: 2.6	2024
Artificial Intelligence Review Reviewed Papers for Journals Impact Factor: 12	2024
Artificial Intelligence Review Reviewed Papers for Journals Impact Factor: 12	2024
IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2023
Cluster Computing Reviewed Papers for Journals Impact Factor: 4.4	2023
IEEE Access Reviewed Papers for Journals Impact Factor: 3.9	2023
Scientific Reports Reviewed Papers for Journals Impact Factor: 1.06	2023
Journal of Big Data Reviewed Papers for Journals Impact Factor: 2.714	2023
 Reviewed Papers for Journals Impact Factor: N/A	2023
 Reviewed Papers for Journals Impact Factor: N/A	2023
 Reviewed Papers for Journals Impact Factor: N/A	2023

Scientific Reports Reviewed Papers for Journals Impact Factor: 1.06	2023
Reviewed Papers for Journals Impact Factor: N/A	2023
Scientific Reports Reviewed Papers for Journals Impact Factor: 1.06	2023
Reviewed Papers for Journals Impact Factor: N/A	2023
Scientific Reports Reviewed Papers for Journals Impact Factor: 1.06	2023
Information Processing and Management Reviewed Papers for Journals Impact Factor: 8.6	2023
The Journal of Supercomputing Reviewed Papers for Journals Impact Factor: 3.3	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

Trainings

Practical AI Simplified for Non-Computing Professionals Partner: 0 Duration: 02-Jul-2024 to 06-Sep-2024	2024
Programming for AI Systems Partner: 0 Duration: 02-Jul-2024 to 21-Aug-2024	2024