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 174, carried out 4 projects and filed 0 intellectual property.

Qualifications

PhD in Software Engineering   2018 - 2023
  Kyunghee University , South Korea

MS in Internet Technologies   2011 - 2014
  University of Trento , Italy

BS in NA   2004 - 2008
  NUST, Islamabad , Pakistan

Experience

Assistant Professor   2024- Present
  School of Electrical Engineering and Computer Science

Assistant Professor   2023 - 2024
  School of Electrical Engineering and Computer Science

Assistant Professor   2018 - 2023
  School of Electrical Engineering and Computer Science

Assistant Professor   2017 - 2018
  School of Electrical Engineering and Computer Science

Lecturer   2015 - 2017
  School of Electrical Engineering and Computer Science

Research Projects

National Projects

Interactive Wellness Monitoring Platform with KIOSK Interface and Gamification   2025
  Funding Agency: NUST
  Amount: PKR 500,000.00
  Status: Approved_inprocess

CASREW : Uncovering Abiotic Stress in Rain-Fed Wheat Crop through UAV based Multi-Sensor   2023
Imagery Fusion
  Funding Agency: DAAD - German Academic Exchange Service
  Amount: PKR 15,406,148.00
  Status: Approved_inprocess

PEEOS: Phenology Estimation of Rice and Wheat in Pakistan using Earth Observation Satellite Imagery   2021
  Funding Agency: HEC
  Amount: PKR 19,950,000.00
  Status: Completed

International Projects

Industry Projects

National Projects

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

International Projects

Research Articles

A Hybrid Multimodal Emotion Recognition Framework for UX Evaluation Using Generalized Mixture Functions   2023

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:** 4
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:** 47
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:** 17
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:** 10
DOI: https://doi.org/10.3390/app10165663

Conference Proceedings

Cross-Platform Integration in Legacy Mobile Apps for Code Reuse and Reduced Development Efforts   2024

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

Content-Aware Entity Alignment: Utilizing Structural and Semantic Similarities for Enhanced Inter-Knowledge Graph Integration   2024

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

Enhancing Cotton Crop Mapping in Pakistan: Integrating Transfer and Active Learning with Remote Sensing Technologies   2024

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

PNRG: Knowledge Graph-Driven Methodology for Personalized Nutritional Recommendation Generation   2023

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

Significance of Syntactic Type Identification in Embedding Vector based Schema Matching   2022

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

Adaptive Digital Encounters: An approach for reducing digital impact on outpatient flow   2021

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

User Stress Modeling through Galvanic Skin Response   2021

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

Semantic Bridge for Resolving Healthcare Data Interoperability   2020

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

Holistic User eXperience in Mobile Augmented Reality Using User eXperience Measurement Index   2019

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

Resolving data interoperability in ubiquitous health profile using semi-structured storage and processing   2019

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

Editorial Activities

npj Digital Medicine   2025
  Reviewed Papers for Journals
  Impact Factor: 3.43(JCI)

BMC Medical Informatics and Decision Making   2025
  Reviewed Papers for Journals
  Impact Factor: 3.3

npj Digital Medicine   2025
  Reviewed Papers for Journals
  Impact Factor: 3.43(JCI)

BMC Pregnancy and Childbirth   2025
  Reviewed Papers for Journals
  Impact Factor: 2.8

npj Digital Medicine   2024
  Reviewed Papers for Journals
  Impact Factor: 3.43(JCI)

CMC-Computers, Materials & Continua   2024
  Reviewed Papers for Journals
  Impact Factor: 2.1

Evolutionary Intelligence   2024
  Reviewed Papers for Journals
  Impact Factor: 2.6

Artificial Intelligence Review   2024
  Reviewed Papers for Journals
  Impact Factor: 12

Artificial Intelligence Review   2024
  Reviewed Papers for Journals
  Impact Factor: 12

IEEE Access   2023
  Reviewed Papers for Journals
  Impact Factor: 3.9

Cluster Computing   2023
  Reviewed Papers for Journals
  Impact Factor: 4.4

IEEE Access   2023
  Reviewed Papers for Journals
  Impact Factor: 3.9

Scientific Reports   2023
  Reviewed Papers for Journals
  Impact Factor: 1.06

Journal of Big Data   2023
  Reviewed Papers for Journals
  Impact Factor: 2.714

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  Reviewed Papers for Journals
  Impact Factor: N/A

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  Reviewed Papers for Journals
  Impact Factor: N/A

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  Reviewed Papers for Journals
  Impact Factor: N/A

Scientific Reports   2023
Reviewed Papers for Journals
Impact Factor: 1.06

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Reviewed Papers for Journals
Impact Factor: N/A

Scientific Reports   2023
Reviewed Papers for Journals
Impact Factor: 1.06

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Reviewed Papers for Journals
Impact Factor: N/A

Scientific Reports   2023
Reviewed Papers for Journals
Impact Factor: 1.06

Information Processing and Management   2023
Reviewed Papers for Journals
Impact Factor: 8.6

The Journal of Supercomputing   2023
Reviewed Papers for Journals
Impact Factor: 3.3

Information Processing and Management   2022
Reviewed Papers for Journals
Impact Factor: 8.6

Information Processing and Management   2022
Reviewed Papers for Journals
Impact Factor: 8.6

Trainings

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

Programming for AI Systems   2024
Partner: 0
Duration: 02-Jul-2024 to 21-Aug-2024