

# Muhammad Sadiq Amin

Assistant Professor

School of Electrical Engineering and Computer Science

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## About

Dr. Muhammad Sadiq Amin is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Muhammad Sadiq Amin has a PhD in Deep learning Computer vision. Dr. Muhammad Sadiq Amin has published 7 research articles & conference papers having a citation count of 95, carried out 0 projects and filed 0 intellectual property.

## Qualifications

<b>PhD in Deep learning Computer vision</b> Tongmyung University of Information Technology , South Korea	2018 - 2021
<b>MS in Computer systems Engineering</b> UET Peshawar , Pakistan	2014 - 2016
<b>BE in Computer engineering</b> UET Peshawar , Pakistan	2006 - 2011

## Experience

<b>Assistant Professor</b> School of Electrical Engineering and Computer Science	2024- Present
<b>Assistant Professor</b> School of Electrical Engineering and Computer Science	2024 - 2024
<b>Assistant Professor</b> School of Electrical Engineering and Computer Science	2023 - 2024
<b>Post Doc researcher</b> Gachon University , 1342 Seongnam-daero, Sujeong-gu, Seongnam-si, Gyeonggi-do, South Korea	2022 - 2023
<b>lecturer</b> superior university , 17km Raiwind Rd, Kot Araian, Lahore, Punjab	2017 - 2018
<b>Lecturer</b> Lahore leads University , Lahore	2015 - 2017
<b>Software engineer</b> gshare.dl , SwipBox Pakistan Pvt Ltd. Plot No. 40, Gull Tower, Civic Center, Phase 4, Bahria Town, Islamabad, Pakistan	2013 - 2015
<b>software engineer</b> Smonte Technologies , Cavelri Ground Lahore	2011 - 2023

- Federated learning for Healthcare 5.0: a comprehensive survey, taxonomy, challenges, and solutions** 2025  
*Muhammad Sadiq Amin Shabir Ahmad Woong Ki Loh*  
*Soft Computing* , Volume:29, Pages:673-700  
**Impact Factor:** 3.1 | **Quartile:** 2 | **Citations:** 1  
**DOI:** <https://doi.org/10.1007/s00500-025-10508-z>
- Federated Learning-Based Analysis of Human Sentiments and Physical Activities in Natural Disasters** 2023  
*Muhammad Sadiq Amin Woong-Kee Loh*  
*Applied Sciences (Switzerland)* , Volume 13, Issue 5, Article Number 2925  
**Impact Factor:** 2.7 | **Quartile:** 2 | **Citations:** 5  
**DOI:** 10.3390/app13052925
- FabNet: A Features Agglomeration-Based Convolutional Neural Network for Multiscale Breast Cancer Histopathology Images Classification** 2023  
*Muhammad Sadiq Amin Hyunsik Ahn*  
*Cancers* , Volume:15, Issue:4, Article Number 1013  
**Impact Factor:** 5.2 | **Quartile:** 2 | **Citations:** 18  
**DOI:** 10.3390/cancers15041013
- 3D Instance Segmentation Using Deep Learning on RGB-D Indoor Data** 2022  
*Muhammad Sadiq Amin Muhammad Yasir Siddiqui Ahn Hyunsik*  
*Computers, Materials and Continua* , Volume 72, Issue 3, Pages 5777-5791  
**Impact Factor:** 3.1 | **Quartile:** 3 | **Citations:** 7  
**DOI:** 10.32604/cmc.2022.025909
- Earthquake disaster avoidance learning system using deep learning** 2021  
*Hyunsik Ahn Muhammad Sadiq Amin*  
*Cognitive Systems Research* , Volume 66, Pages 221-235  
**Impact Factor:** 4.541 | **Quartile:** 1 | **Citations:** 27  
**DOI:** 10.1016/j.cogsys.2020.11.002
- Human sentiment and activity recognition in disaster situations using social media images based on deep learning** 2020  
*Muhammad Sadiq Amin Hyunsik Ahn Young Bok Choi*  
*Sensors* , Volume 20, Issue 24, Article Number 7115  
**Impact Factor:** 3.576 | **Quartile:** 1 | **Citations:** 19  
**DOI:** 10.3390/s20247115
- Recognition of pashto handwritten characters based on deep learning** 2020  
*Muhammad Sadiq Amin Muhammad Yasir Siddiqui Hyunsik Ahn*  
*Sensors* , Volume 20, Issue 20, Article Number 5884  
**Impact Factor:** 3.576 | **Quartile:** 1 | **Citations:** 18  
**DOI:** <https://doi.org/10.3390/s20205884>