

Nazia Bibi

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About

Dr. Nazia Bibi is working as Assistant Professor in the Military College of Signals. Dr. Nazia Bibi has a PhD in Deep Learning. Dr. Nazia Bibi has published 17 research articles & conference papers having a citation count of 54, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Deep Learning NUST, Islamabad , Pakistan	2024 - 2024
MS in Software Engineering UET Taxila , Pakistan	2012 - 2014
B.Sc (Hon) in Software Engineering Fatima Jinnah Women University , Pakistan	2007 - 2011

Experience

Assistant Professor Military College of Signals	2024- Present
Lecturer Military College of Signals	2024 - 2024
Lecturer Fazaia Bilquis College of Eduction for Women , PAF Nur Khan, Rawalpindi	2015 - 2024
Lecturer Askaria College , Bank Road, Saddar Rawalpind	2013 - 2015
Lecturer Hashmi College of Commerce, Rawalpindi , Jehanzeb Centre, Bank Rd, Saddar, Rawalpindi, Punjab, Saddar, Rawalpindi,	2011 - 2012

Research Articles

Enhancing code search through query expansion: A fusion of LSTM with GloVe and BERT model (ECSQE) <i>Nazia Bibi Muhammad Usman Tariq Zabeeh Ullah Muhammad Babar Zahid Khan</i> <i>Results in Engineering</i> , Volume:27, Article Number:105979, Pages:19 Impact Factor: 7.9 Quartile: 1 DOI: https://doi.org/10.1016/j.rineng.2025.105979	2025
C2B: A Semantic Source Code Retrieval Model using CodeT5 and Bi-LSTM <i>Nazia Bibi Ayesha Maqbool Tauseef Ahmad Rana Farkhanda Afzal Adnan Ahmed Khan</i> <i>Applied Sciences</i> , Volume 14(13), Article Number 5795 Impact Factor: 2.500 Quartile: 1 Citations: 2 DOI: https://doi.org/10.3390/app14135795	2024
Collaborative Solutions to Software Architecture Challenges Faced by IT Professionals <i>Zeeshan Anwar Nazia Bibi Tauseef Rana Seifedine Kadry Hammad Afzal</i> <i>International Journal of Human Capital and Information Technology Professionals (IJHCITP)</i> , Volume 15, Issue 1, Pages 1-29 Impact Factor: 0.900 Quartile: 4 Citations: 2 DOI: 10.4018/IJHCITP.342839	2024
Enhancing source code retrieval with joint Bi-LSTM-GNN architecture: A comparative study with ChatGPT-LLM <i>Nazia Bibi Ayesha Maqbool Tauseef Ahmed Rana</i>	2024

Impact Factor: 6.9 | **Quartile:** 1 | **Citations:** 8

DOI: 10.1016/j.jksuci.2023.101865

Enhancing Semantic Code Search with Deep Graph Matching

2023

Nazia Bibi Ayesha Maqbool Tauseef Rana Farkhanda Afzal Ali Akgul Sayed M. El Din

IEEE Access, Volume 11, Pages 52392-52411

Impact Factor: 3.476 | **Quartile:** 2 | **Citations:** 4

DOI: 10.1109/ACCESS.2023.3263878

Reusable Component Retrieval: A Semantic Search Approach for Low Resource Languages

2023

Nazia Bibi Tauseef Ahmad Rana Ayesha Maqbool Tamim Alkhalifah Wazir Zada Khan Yousaf Bin Zikria

ACM Transactions on Asian and Low-Resource Language Information Processing, Volume 22 Issue 5

Impact Factor: 1.471 | **Quartile:** 4 | **Citations:** 1

DOI: 10.1145/3564604

An Intelligent Platform for Software Component Mining and Retrieval

2023

Nazia Bibi Tauseef Rana Ayesha Maqbool Farkhanda Afzal Ali Akgul Manuel De la Sen

Sensors, Volume 23, Issue 1, Article Number 525

Impact Factor: 3.847 | **Quartile:** 2 | **Citations:** 2

DOI: <https://doi.org/10.3390/s23010525>

Web semantics and ontologies-based framework for software component selection from online repositories

2023

Nazia Bibi Tauseef Ahmed Rana Ayesha Maqbool Alina Mirza Zeshan Iqbal Muhammad Attique Khan Majed Alhaisoni Usman Tariq Robertas Damaševičius

International Journal of Web and Grid Services, Volume 19, No. 3, Pages 318-349

Impact Factor: 1.0 | **Quartile:** 4 | **Citations:** 1

DOI: <https://doi.org/10.1504/ijwgs.2023.133503>

Expertise based Skills Management System to Support Resource Allocation

2021

Nazia Bibi Zeeshan Anwar Tauseef Ahmad Rana

PLoS One, Volume 16(8), Article Number e0255928

Impact Factor: 3.240 | **Quartile:** 2 | **Citations:** 6

DOI: <https://doi.org/10.1371/journal.pone.0255928>

A Hybrid-Adaptive Neuro-Fuzzy Inference System for Multi-Objective Regression Test Suites Optimization

2018

Zeshan Anwar Hammad Afzal Nazia Bibi Haider Abbas Omar Arif Athar Mohsin

Neural Computing and Applications, Pages 1-15

Impact Factor: 4.664 | **Quartile:** 1 | **Citations:** 21

DOI: 10.1007/s00521-018-3560-8

Comparison of Search-Based Software Engineering Algorithms for Resource Allocation Optimization

2016

Nazia Bibi Zeeshan Anwar Ali Ahsan

Journal of Intelligent Systems, Volume:25, Issue: 04, Page:629-642

Impact Factor: N/A | **Citations:** 7

DOI: <https://doi.org/10.1515/jisys-2015-0016>

<p>Efficient Hybrid Channel Estimation for Massive MIMO in IoT Applications</p> <p><i>Kiran Khurshid Nasir Saeed Nazia Bibi Muhammad Usman Hadi</i></p> <p><i>2025 International Conference on Emerging Technologies in Electronics, Computing, and Communication (ICETECC), res.country(177,)</i></p> <p>Citations: N/A</p> <p>DOI: 10.1109/ICETECC65365.2025.11070289</p>	2025
<p>A Pragmatic Decision Making Mechanism for Reusable Source Code Snippets Retrieval using Semantic Approach</p> <p><i>Nazia Bibi Tauseef Ahmed Rana Ayesha Maqbool Qurat-ul-Ain</i></p> <p><i>International Bhurban Conference on Applied Sciences & Technology, res.country(177,)</i></p> <p>Citations: N/A</p> <p>DOI: Nil</p>	2023
<p>Exploring the Effectiveness of Joint Bi-LSTM-GNN vs ChatGPT-LLM in Source Code Retrieval</p> <p><i>Nazia Bibi Ayesha Maqbool Tauseef Ahmed Rana</i></p> <p><i>International Bhurban Conference on Applied Sciences & Technology, res.country(177,)</i></p> <p>Citations: N/A</p> <p>DOI: Nil</p>	2023
<p>Enhancing source code retrieval with joint Bi-LSTM-GNN architecture: A comparative study with ChatGPT-LLM</p> <p><i>Nazia Bibi Tauseef Ahmad Rana Ayesha Maqbool</i></p> <p><i>2023 20th International Bhurban Conference on Applied Sciences and Technology (IBCAST), res.country(177,)</i></p> <p>Citations: N/A</p> <p>DOI: 10.1109/IBCAST59916.2023.10712910</p>	2023
<p>Bi-Directional LSTM-Based Search Engine for Source Code Retrieval</p> <p><i>Nazia Bibi Tauseef Ahmad Rana Ayesha Maqbool</i></p> <p><i>4th International Conference on Communication Technologies, ComTech 2023, res.country(177,)</i></p> <p>Citations: N/A</p> <p>DOI: 10.1109/ComTech57708.2023.10165061</p>	2023
<p>Mining Mobile Security Concerns and their Solutions</p> <p><i>Zeshan Anwar Nazia Bibi Hammad Afzal</i></p> <p><i>2019 16th International Bhurban Conference on Applied Sciences and Technology (IBCAST) , res.country(282,)</i></p> <p>Citations: N/A</p> <p>DOI: 10.1109/IBCAST.2019.8667251</p>	2019