

Syeda Faiza Nasim

PhD Scholar/ Lecturer Computer Science / Academic Researcher
/ Academic Reviewer/ ACM Society Patron



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🔗 <https://orcid.org/0000-0002-0924-2861>

📄 Scopus Author ID: 57925805500

Education

2021/05 – Present (Current)	Doctor of Philosophy (Computer Science & Information Technology) <i>NED University of Engineering & Technology</i> Grade: 3.6 CGPA Expected Completion: December 2025
2016/12 – 2018/11	Master of Science in Computer Science & Information Technology <i>NED University of Engineering & Technology</i> Grade: 3.63 CGPA
2005/11 – 2009/02	BS (Software Engineering) <i>University of Karachi (UBIT)</i> Grade: 3.1 CGPA

Professional Experience

Present (Current)	Lecturer Computer Science <i>UIT University</i>
2022/10 – 2024/02	Visiting Faculty Undergrad <i>Bahira University Karachi Campus</i>
2021/05 – 2024/02	Visiting Faculty Undergrad <i>Iqra University Gulshan Campus</i>
2021/05 – 2024/02	Visiting Faculty Undergrad/ MS <i>NED University of Engineering and Technology</i>
2021/08 – 2023/12	Visiting Faculty CS/ SE <i>Karachi University , UBIT.</i>
2020/09 – 2022/05	HoD/Lecturer CS <i>Fazaia Schools and Colleges</i>
2019/02 – 2021/09	FYP Coordinator/ Lecturer) <i>Indus University</i>
2017/02 – 2019/02	FYP Coordinator/ Lecturer <i>Aligarh Institute of Technology</i>

Publications

2025	Improving Pakistan Weather Forecasting Accuracy with Machine Learning: A Data- Driven Approach  <i>IEEE Xplore</i> Nasim, S.F., & Haider, N.G. (2024). Improving Pakistan Weather Forecasting Accuracy with Machine Learning: A Data- Driven Approach. <i>2024 Global Conference on Wireless and Optical Technologies (GCWOT)</i> , 1-6.
2024	Sustainable Agriculture Systems Transformed: The Role of Drones in Enhancing Precision, Safety and Efficiency and Evapotranspiration Model <i>Springer Book Series ASTI(EDMSET 2024)</i> In production stage

- 2024 **Crop Water Requirements: Implications for Agricultural Sustainability**
Springer Book Series ASTI(EDMSET 2024)
In production stage
- 2024 **Syeda Alishba Fatima, Nasim, S. F, Saad Ahmed Enhancing Agricultural Operations: Big Data Analytics Using Distributed and Parallel Computing. (2024).** *International Journal of Emerging Engineering and Technology, 2(2), 1-7*
- 2024 **U. e Kulsoom, S. F. Nasim, A. Qaiser, S. Aziz, and S. A. Fatima, "A Review about Internet of Things (IoT) integration with Cloud Computing with a Limelight on Security",** *PakJET, vol. 6, no. 4, 2024, pp. 1–6, Jan.*
- 2023 **Nasim, S. F, Muhammad Khurram, Aiza Kamran, Syeda Alishba Fatima, Asma Qaiser, Environmental Monitoring and Agricultural Insights: Analysis of Cotton Crop Using PowerBI. (2023).** *International Journal of Emerging Engineering and Technology, 2(2), 13-20.*
- 2023 **Adeeba Bano, Yahya Naqvi, Afham Ahmed, Nasim, S. F, Enhancing Agriculture Prediction through AI and Parallel Distributed Computing: A Comprehensive Study on the Impact of Weather. (2023).** *International Journal of Emerging Engineering and Technology, 2(2), 21-28*
- 2023 **Nasim, S. F., Qaiser, A., Abrar, N., & Kulsoom, U. Implementation of AI in Traffic Management: Need, Current Techniques and Challenges.** *Pakistan Journal of Scientific Research, 3(1), 2023, 20–25.*
- 2023 **Sana Fatimah, S.F Nasim, Najmi Ghani, Mubeen Rashid, Zoha Akram, Comparative Study of Software Automation Tools: Selenium and Quick Test Professional, Vol. 21 No. 1 (2023)**
- 2023 **Danish Baloch, Sidrah Abdullah, Asma Qaiser, Saad Ahmed, Faiza Nasim and Mehreen Kanwal, "Speech Enhancement using Fully Convolutional UNET and Gated Convolutional Neural Network" International Journal of Advanced Computer Science and Applications(IJACSA), 2023, 14(11)**
- 2022 **S. F. Nasim, Muhammad Rizwan Ali, and Umme Kulsoom, "Artificial Intelligence Incidents & Ethics A Narrative Review ",** *Int. J. TIM, vol. 2, no. 2, pp. Oct. 2022, 52–64.*
- 2022 **Nasim, S., Fatimah, S., & Amin, A. ARTIFICIAL INTELLIGENCE IN MOTOR IMAGERY-BASED BCI SYSTEMS: A NARRATIVE.** *Asian Journal Of Medical Technology, 2(2), 2022, 55–64.*
- 2022 **S. A. Feroze and S. F. Nasim, "Genetic Testing of Huntington's Disease by Facial Examination of a Mankind using AI Programs," 2022 3rd International Conference on Innovations in Computer Science & Software Engineering (ICONICS), Karachi, Pakistan, 2022, pp. 1-9**

International Conference

- 2025/04 – 2025
Dubai **IEREK's International Conference Environmental Design, Material Science, and Engineering Technologies – 2nd Edition (22-24 April 2025)**
Abu Dhabi University
Navigating Climate Challenges: A Case Study of Cotton Production in Pakistan
- 2025/04 – 2025
Dubai **IEREK's International Conference Environmental Design, Material Science, and Engineering Technologies – 2nd Edition (22-24 April 2025)**
Abu Dhabi University
Comparative Analysis of Climate Data Platforms: Supporting Policy Makers with Historical Weather and Satellite Insights
- 2024/09
Spain **GCWOT'24: Global Conference on Wireless & Optical Technologies 2024 Escuela Técnica Superior de Ingeniería de Telecomunicación, Universidad de Málaga, Campus de Teatinos Málaga, Spain**
Improving Pakistan Weather Forecasting Accuracy with Machine Learning: A Data-Driven Approach
- 2024/04
Dubai **The International Conference on Environmental Design, Material Science, and Engineering Technologies (EDMSET 2024) Organized by IEREK & Abu Dhabi University ,in Dubai campus** 
Sustainable Agriculture Systems Transformed: The Role of Drones in Enhancing Precision, Safety and Efficiency
- 2024/04
Dubai **The International Conference on Environmental Design, Material Science, and Engineering Technologies (EDMSET 2024) Organized by IEREK & Abu Dhabi University ,in Dubai campus**
Evapotranspiration Model and Crop Water Requirements: Implications for Agricultural Sustainability

Certificates

Developing Generative Artificial Intelligence Solutions

Amazon Web Services (AWS)ID: E-05WZWQ

Approach of Mental State Analysis using EEG

Certificate No: BPI/PR/Cert/_3472G/SYE

B P International

Fire Activity and Their Relationship with the Global Fire Weather Index Database Components in Guinea

Certificate No: BPI/PR/Cert/_7377B/SYE

B P International

Assembling, simulating, and recording robot videos as an effort to motivate middle school students and teachers of Science in Bengkulu Province

Certificate No_ BPI_PR_Cert_2695G _SYE

B P International

Getting Started with Power BI Desktop

67Z4DU4743PE

Python for Data Science and AI

YMAF98M36EZT

Artificial Intelligence: an Overview Specialization

6M9R9ERXGGTM

Fundamentals of Machine Learning and Artificial Intelligence

Amazon Web Services (AWS)ID: E-VO3LDQ

EXPLORING THE CHALLENGES OF ARTIFICIAL INTELLIGENCE IN DATA INTEGRITY AND ITS INFLUENCE ON SOCIAL DYNAMICS

Certificate No: SDI/HQ/PR/Cert/111526/SYE

B P International

A STUDY TO EVALUATE THE EXERCISE PRESCRIPTION THROUGH VIDEO AND BROCHURE IN TELEREHABILITATION OF PATIENTS WITH KNEE OSTEOARTHRITIS.

Certificate No_ SDI_HQ_PR_Cert_110507_SYE

B P International

"Imagined Speech Classification Using EEG and Deep Learning

Certificate No_ BPI_PR_Cert_6989C _SYE

Microsoft Azure AI Fundamentals

Machine Learning Specialization

9LMN8LVMYN82

Technical Program Committee (Conference/ Journal Paper)

2025/08
Indonesia

Bioinformatics, Biomedical Engineering, and Biotechnology Exploring New Frontiers in Healthcare (BioXplore 2025 UMY)

Advancing Precision and Innovation in Healthcare Through Bioinformatics, Biomedical Engineering, and Biotechnology (Universitas Muhammadiyah Yogyakarta)

2025 – 2025/04
Algarve, Portugal

The International Conference on Consumer Technology (ICCT-Europe 2025)

2025/04
Riyadh, Saudi Arabia

WiDS PSU 2025: Eighth International Women in Data Science Conference at Prince Sultan University [🔗](#)

2025 – 2025/03
USA

15th IEEE Integrated STEM Education Conference

2025 – 2025/08
Indonesia

Bioinformatics, Biomedical Engineering, and Biotechnology Exploring New Frontiers in Healthcare (BioXplor 2025 UMY)

Advancing Precision and Innovation in Healthcare Through Bioinformatics, Biomedical Engineering, and Biotechnology

2025/03
Concord (Charlotte),
NC

IEEE SoutheastCon 2025 "Industry and Academia in Partnership

2024/04
Los Angeles, California

12th IEEE Conference on Technologies for Sustainability [🔗](#)

2024/12
karachi, Pakistan

26th International Multi Topic Conference 2024 (INMIC 2024)

Salim Habib University

AI Powered Horizons Shaping the Future Directions of Neuroscience

Archives of Current Research International. Certificate No: PRACRI121805SYE

Approach of Mental State Analysis using EEG

B P International <https://www.bookpi.org/> . Certificate No: BPI/PR/Cert/_3472G/SYE

EXPLORING THE CHALLENGES OF ARTIFICIAL INTELLIGENCE IN DATA INTEGRITY AND ITS INFLUENCE ON SOCIAL DYNAMICS

Advances in Research, Certificate No: SDI/HQ/PR/Cert/111526/SYE

Conference & Editorial Leadership

- 2025/08
Indonesia **Editor Guest : Bioinformatics, Biomedical Engineering, and Biotechnology Exploring New Frontiers in Healthcare**
Advancing Precision and Innovation in Healthcare Through Bioinformatics, Biomedical Engineering, and Biotechnology (Universitas Muhammadiyah Yogyakarta)
- 2025/03
Concord (Charlotte),
NC **Track Co-Chair : IEEE SoutheastCon 2025 "Industry and Academia in Partnership"**
AI and Predictive Modeling

Workshops

- 2024/12 **26th International Multi-Topic Conference (INMIC) 2024 at Salim Habib University**
Computational Fluid Dynamics on Cloud
- 2024/12 **26th International Multi-Topic Conference (INMIC) 2024 at Salim Habib University**
Accelerated Deep Learning Models on HPC Platforms
- 2023/10 **GITEX Global 2023 (Dubai World Trade Centre)**
GITEX Global Workshops (AI/ Python/Data Analytics/Cyber Security)

Awards

- 2024 **AD Scientific Index**
Index ID: 4927355
- 2021 **HEC Indigenous 5000 PhD Fellowship Program, Phase II , Batch - VI**
HEC, Pakistan
- 2024 **DESIGN OF AN INTELLIGENT DECISION SUPPORT SYSTEM FOR SMART IRRIGATION SCHEDULING USING REMOTE SENSING & MACHINE LEARNING FOR COTTON FIELDS**
Research grant from MoST Endowment fund (11th Cycle)

Skills

Python / C# / C / Java/ Data Visualization using Power BI /
GIS / Peer-Reviewer / Researcher /Academic Writer

References

Muhammad Khurram, Professor at Dept. of Computer and Information Systems Engineering, Director of Research Center for A,
NED University Of Engineering & Technology
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