

Naeem Jan

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ABOUT ME

AI researcher, lecturer, and IT professional with expertise in artificial intelligence, **deep learning, machine learning, medical image analysis, healthcare AI, and data science.** Experienced in AI-driven medical diagnostics, healthcare technology, teaching, research, IT systems, and student supervision, with a strong research focus on **deep learning-based medical image analysis and skin cancer detection**. Passionate about developing innovative, practical, and impactful AI solutions that advance healthcare, intelligent systems, and data-driven decision-making.

EDUCATION AND TRAINING

01/12/2019 – 24/03/2024 Charsadda, Pakistan

MS COMPUTER SCIENCE Bacha Khan University Charsadda

Website https://bkuc.edu.pk/ **Level in EQF** EQF level 7

01/12/2011 – 21/03/2018 Peshawar, Pakistan

BACHELOR OF COMPUTER SCIENCE (HONORS) University of Peshawar

Website http://www.uop.edu.pk/ **Level in EQF** EQF level 6

07/07/2017 – 07/07/2018 Charsadda, Pakistan

DIPLOMA IN INFORMATION TECHNOLOGY Khyber Pakhtunkhwa Board of Technical Education (KPBTE)

Website https://www.kpbte.edu.pk/ | **Level in EQF** EQF level 5

01/03/2024 – 31/07/2024 Islamabad, Pakistan

DATA ANALYTICS AND BUSINESS INTELLIGENCE Ministry Of Information Technology & Telecommunication Government of Pakistan

Website https://moitt.gov.pk/ **Level in EQF** EQF level 5

01/05/2020 – 31/08/2020 Islamabad, Pakistan

SEO (SEARCH ENGINE OPTIMIZATION) Ministry Of Information Technology & Telecommunication Government of Pakistan

Website https://moitt.gov.pk/ **Level in EQF** EQF level 5

04/05/2007 – 02/05/2009 Charsadda, Pakistan

FCS (FACULTY OF COMPUTER SCIENCE) Board of Intermediate and Secondary Education Peshawar

Website https://www.bisep.edu.pk/ | **Level in EQF** EQF level 4

01/04/2005 – 07/07/2007 Charsadda, Pakistan

SECONDARY SCHOOL CERTIFICATE (SSC) Board of Intermediate and Secondary Education Peshawar

Website https://www.bisep.edu.pk/ | **Level in EQF** EQF level 3

WORK EXPERIENCE

COMPUTER SCIENCE LECTURER – BACHA KHAN UNIVERSITY CHARSADDA – 16/09/2024 – Current – CHARSADDA, PAKISTAN

- **Teaching & Curriculum:** Designed and delivered courses in AI, Programming, Data Structures, and Networking using project-based learning.
- **Research & Mentorship:** Conducted research in AI and Machine Learning while supervising student theses, research papers, and capstone projects.
- **Lab & Practical Instruction:** Led hands-on lab sessions covering programming tools, AI frameworks, and cloud computing platforms.
- **Evaluation & Administration:** Conducted examinations, evaluated student performance, and contributed to departmental academic committees.
- **Workshops & Quality Assurance:** Organized academic workshops, tech events, and supported institutional accreditation processes.

Profile Summary

Computer Science Lecturer and Researcher specializing in Artificial Intelligence and Machine Learning. Experienced in modern curriculum development, hands-on lab instruction, and mentoring student research.

SKILLS

utilize machine learning | task algorithmisation | algorithms | computer programming

Programming & Tools:

Python (computer programming) | ML (computer programming) | information extraction

AI Researcher & Lecturer | Deep Learning & Medical Image Analysis in Healthcare

Healthcare Analysis | digital data processing | deep learning | computer science | data models | principles of artificial intelligence | data science

LANGUAGE SKILLS

Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

CONFERENCES AND SEMINARS

18/10/2018 – 19/10/2018 Peshawar, Pakistan

3rd International Conference on Emerging Trends in Engineering Management & Science (ICETEMS-2018)

Bridging gaps through Multi-Disciplinary Research & Innovation Organized
by:
City University of Science & Information Technology (CUSIT) Peshawar, Pakistan Collaboration of :
Auburn University, Alabama, USA East
Carolina University, USA
The Institution of Engineers Pakistan(IEP)

HONOURS AND AWARDS

29/12/2018

Research Methodology & technical Writing – City University of Science & Information Technology

19/12/2018

MENDELEY Workshop – City University Of Science & Information Technology (CUSIT)

Free reference manager and PDF organizer

Link www.mendeley.com

31/07/2016

Capacity Building Workshop on Micro Credit Operating System (MCOS) MIS) – Alkhimat Foundation Pakistan

PUBLICATIONS

2026

AN OPTIMIZED RESIDUAL CONVOLUTIONAL NEURAL NETWORK FRAMEWORK FOR EARLY DIABETES PREDICTION USING CLINICAL PARAMETERS

Authors: Shams Ul Arifeen Mian Farhan Shah Zia Ur Rahman Muhammad Naeem Ullah Waqas Ahmad Asad Khan Naeem Jan Atta Ur Rahman | **Journal Name**: Spectrum of Engineering Sciences | **Volume, Issue and Pages**: Vol. 4 No. 6 (2026): Spectrum of Engineering Sciences | **Publisher**: Sociology Educational Nexus Research Institute

2026

A COMPARATIVE ANALYSIS OF MACHINE LEARNING AND DEEP LEARNING-BASED PREDICTIVE FRAMEWORKS FOR DIABETES CLASSIFICATION USING CLINICAL DATA

Authors: 1Mian Farhan Shah, *2Shams Ul Arifeen, 3Zia Ur Rahman, 4Ikram Ullah, 5Ahmad Saeed, 6Waqas Ahmad, 7Muhammad Naeem Ullah, 8Naeem Jan, 9Atta Ur Rahman | **Journal Name**: Spectrum of Engineering Sciences | **Volume, Issue and Pages**: Vol. 4 No. 6 (2026): Spectrum of Engineering Sciences | **Publisher**: Sociology Educational Nexus Research Institute

2025

SKIN CANCER DETECTION THROUGH IMAGES USING DEEP CONVOLUTIONAL NEURAL NETWORKS

Authors: Naeem Jan,Atta Ur Rahman,Faizan Ullah,Dr. Izaz Ahmad Khan | **Journal Name**: Annual Methodological Archive Research Review (AMARR) | **Volume, Issue and Pages**: Vol. 3 No. 8 (2025): AMARR

2026

Detection of respiratory viral infectionThrough X-Ray Using Convolutional Neural Network

Name of Journal: Annual Methodological Archive Research Review (AMARR) Journal Frequency: Monthly ISSN Online: 3007-3197 ISSN Print: 3007-3189 Language: English,Vol. 4 No. 1 (2026): January 2026

Authors: Atta Ur Rahman,Naeem Jan,Dr. Mohammad Abrar,Dr. Izaz Ahmad Khan,Muhammad Shahid | **Journal Name**: Annual Methodological Archive Research Review (AMARR) | **Volume, Issue and Pages**: Vol. 4 No. 1 (2026): January 2026

2025

Comparative Evaluation of LSTM, BiLSTM, and a Hybrid CNN-BiLSTM-Attention Model for Short-Term and Day-Ahead Electricity Load Forecasting

Authors: Sadeeq Ullah,Asad Ullah,Atta Ur Rahman,Naeem Jan,Muhammad Shahid | **Journal Name**: Annual Methodological Archive Research Review (AMARR) | **Volume, Issue and Pages**: Vol. 3 No. 1 (2025): Annual Methodological Archive Research Review

HOBBIES AND INTERESTS

Reading Writing , Traveling and leadership

RECOMMENDATIONS

Dr. Izaz Ahmad Khan Assistant Professor/HOD Department of Computer Science, Bacha Khan University Charsadda.

I am pleased to recommend **Dr. Izaz Ahmad Khan**, Assistant Professor and Head of the Department of Computer Science at Bacha Khan University Charsadda. He has known me since 2019 and has observed my academic and research journey closely. His guidance and mentorship have been invaluable in shaping my expertise in Artificial Intelligence and Deep Learning.

Email azaz@bkuc.edu.pk | **Phone** (+92) 03459595551

Dr. Amjid Ali Lecturer, Institute of Numerical Sciences KUST

I am honored to receive the recommendation of **Dr. Amjid Ali** from the Institute of Numerical Sciences, Kohat University of Science and Technology (KUST). He has known me since 2008 and has witnessed my academic growth and dedication to research. His support and insights have greatly contributed to my development in the field of Artificial Intelligence and Computational Sciences.

Email dr.amjid@kust.edu.pk | **Phone** (+92) 03339289941

Dr. Faizan Ullah My MS Computer Science Supervisor

I am honored to have **Dr. Faizan Ullah** as my MS research supervisor. He has known me since 2019 and has played a crucial role in shaping my research skills in Artificial Intelligence and Medical Imaging. His guidance and expertise have been invaluable throughout my MS journey, particularly in applying deep learning techniques for medical image analysis. His mentorship has greatly contributed to my academic and professional growth.

Dr. Faizan Ullah
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