Shahzad Ahmed Khan

Nationality: Pakistani **Date of birth:** 14/01/1993 (+92) 3417857250 (+92) 3143047784

Email: shahzad.ahmed.khan@student.mmu.edu.my or shehzad.khan@au.edu.pk

ABOUT ME

Dedicated and passionate educator with a strong academic background and hands-on teaching experience, committed to fostering an engaging and inclusive learning environment. Seeking a position as a Lecturer where I can utilize my subject expertise, communication skills, and innovative teaching methodologies to inspire students, contribute to curriculum development, and support the academic and professional growth of learners. I aim to actively participate in departmental research, academic activities, and institutional development while continuously enhancing my own knowledge and pedagogical strategies.

EDUCATION

PhD in Computing: Multimedia ***University, Cyberjaya, Malaysia*** **[25/05/2025 – Current]**

Supervisor: Prof. Dr. Mazliham Mohd Su'ud (**President:** Multimedia University Malaysia)

Co-Supervisor: Prof. Dr. Muhammad Mansoor Alam (**Professor:** Riphah International University)

Address: Persiaran Multimedia, 63100 Cyberjaya, Selangor Website: https://www.mmu.edu.my/

Master of Science in Software Engineering: ***Riphah International University*** **[19/01/2020 – 15/03/2022]**

Supervisor: Assoc. Prof. Dr. Musharraf Ahmed (**HoD,** Faculty of Computing, Riphah International University)

Address: Sector I-14, Hajj Complex, 44000 Islamabad (Pakistan) Website: https://www.riphah.edu.pk/university-introduction/

Bachelors of Science in Computer Sciences: ***HITEC University, Cantt*** **[14/09/2012 – 21/07/2016]**

Final Year Project/ Thesis: Assignment Plagiarism Checker

Supervisor: Prof. Dr. Faraz Ahmed (FAST University Karachi)

Address: 47080 Taxila (Pakistan) **Website:** https://www.hitecuni.edu.pk/

WORK EXPERIENCE

1. **Lecturer:** ***Air University Main Campus, Islamabad, Pakistan*** [01/04/2026 – Current]
2. **Lecturer:** ***Riphah International University Main Campus, Islamabad, Pakistan*** [14/10/2021 – 31/03/2026]
3. **International Student Exchange Advisor: Riphah International University** [14/10/2021 – 31/03/2026]
4. **FYP In-Charge: Air University** [01/04/2026 – Current]

Research Grants

1. **Smart Surveillance for the Muslim Community Using Mixed-Mode Lidar and Camera Fusion with Segmentation-Assisted Object Detection (9 Months-0.5 million PKR)**

   Research Assistant at Centre for Advanced Analytics (CAA), Malaysia

Publications

Journal Articles:

1. Khan, S. A., Murtaza, H., & Ahmed, M. (2024). Utility of GAN generated synthetic data for cardiovascular diseases mortality prediction: an experimental study. *Health and Technology*, 1-24. https://doi.org/10.1007/s12553-024-00847-6

2. Shahzad Ahmad Khan, Noor-ul-Huda Asif, Muhammad Hamza Khan Khakwani, Waheed Iqbal Khan, Naveed Iqbal Khan, Muhammad Usman Sharif, Altaf Hussain, Muhammad Usman Karim, & Tabassum Javed. (2026). The Impact of Prolonged Sitting on Posture and Health: A Comprehensive Analysis. Advance Social Science Archive Journal, 5(1), 8062–8076. https://doi.org/10.5281/zenodo.23218768

3. Shahzad Ahmad Khan, Muhammad Usman Karim, Noor-ul-Huda Asif, Muhammad Usman Sharif, Mushrif Ahmed, &

Tabassum Javed. (2026) A Machine Learning Framework for Heart Disease Detection Using CT-Based Morphometric Features and Synthetic Data Augmentation (Accepted) https://ojs.bonviewpress.com/index.php/MEDIN/index

Conference Articles:

1. Waheed Iqbal Khan, Abu Bakar Qasim, Shahzad Ahmed Khan, Altaf Hussain, Naveed Iqbal Khan. "Fake News Detection with the help of Meta Model Extraction Using Natural Language Processing & Machine Learning Algorithm", 2nd International Conference on Recent Advances in Computing, AI, and Data Science (CAIDS-2024), 21-22 November,2024. (Accepted).
2. Shahzad Ahmed Khan, Abdullah Ahtsham, Javed Shah, Waheed Iqbal, Dr. Jawed Iqbal. "SIMT-Architectures: A Deep Dive", 2nd International Conference on Recent Advances in Computing, AI, and Data Science (CAIDS-2024), 21-22 November,2024. (Accepted).
3. Usman Afzal Minhas, Shahzad Ahmed Khan, "Stack Optimization: A Systematic Literature Review". 2nd International Conference on Recent Advances in Computing, AI, and Data Science (CAIDS-2024), 21-22 November,2024. (Accepted).
4. M. Ahmad Nawaz, Shahzad Ahmed Khan, Mubariz Rehman, Hassan Aziz "Problems in Genomic Data Privacy in a Distribution Network", 1st International Conference on Recent Advances in Computing, AI, and Data Science (CAIDS-2023), 22-23 November,2023. (Accepted).

CONFERENCES AND SEMINARS

Organizing Committee Member in International Conference on Multi Topic (INMIC 27th-IEEE)

INMIC 2025, a premier IEEE-sponsored event exploring advancements in science, engineering, and technology. Researchers, academicians, and industry professionals will come together to share knowledge, present papers, and foster collaborations. Experience cutting-edge discussions, insightful keynote speeches, and networking opportunities at this dynamic conference.

Link: https://inmic2025.riphah.edu.pk/

Organizing Committee Member in 3rd International Conference on Recent Advances in Computing, AI, and Data Science:

The Institute of Computer Science and Information Technology (ICS&IT), University of Science and Technology Bannu (UST Bannu), Faculty of Computing, Riphah International University, and Multimedia University Malaysia (MMU) were hosting a two-day International Conference on Recent Advances in Computing, AI, and Data Science (CAIDS- 2025). CAIDS-2025 provides an excellent platform for researchers and scholars from around the world to share their research findings. I was working as a volunteer in this conference.

Link: https://www.caids.org.pk/index.php#

Organizing Chair Member at the 1st International Conference on Recent Advances in Computing, AI, and Data Science:

The Institute of Computer Science and Information Technology (ICS&IT), University of Science and Technology Bannu (UST Bannu), Faculty of Computing, Riphah International University, and Multimedia University Malaysia (MMU) were hosting a two-day International Conference on Recent Advances in Computing, AI, and Data Science (CAIDS- 2023). CAIDS-2023 provides an excellent platform for researchers and scholars from around the world to share their research findings.

Link: https://www.caids.org.pk/1st-caids/

PROJECTS

1. **AI Fashion and Dresses Visual Try:** [27/08/2023 – 12/04/2024]

Description: This project tackles the issue of rising dress prices, making them unaffordable for many. It proposes a multifaceted platform integrating three elements: a visual try-on experience and a reselling marketplace. The visual try-on feature allows users to preview dresses from home, enhancing decision-making and purchase confidence. The reselling marketplace promotes sustainable fashion by enabling users to buy and sell used branded clothing, with a unique "no-refund" policy to encourage responsible purchasing. This platform aims to fill a gap in the online commerce market by catering to diverse consumer needs.

2. **ADS Cares:** [02/02/2023 – 25/06/2024]

Description: ADSCares brings healthcare to your doorstep, offering a range of services tailored to your needs, ensuring comfort and quality care within your home's familiar embrace.

Website: https://www.adscares.com/

3. AI Based Home Designer Application: [25/07/2021 – 09/07/2023]

Description: Home Designer is a user-friendly and enjoyable interior design platform that simplifies the process of planning home. With its 3D room planner, user can easily visualize their ideas without the complexity of other (CAD) design tools. Just input the measurements of the room, and like magic, Home Designer gives a 3D presentation of how it can look. So, it's not just about imagining; it's about seeing your ideas come to life.

4. Implementation of Generative Adversarial Networks with Python Programming: [20/6/2021-12/20/2022]

In this project, I have learn the practical implementation of Generative models. GANs are most commonly used nowadays. This project have enlighten the core concepts of deep learning models.

DIGITAL SKILLS

Certificate in Computer Science / Microsoft Office, Microsoft Word, Microsoft Excel, Outlook, Facebook, Google / Computer networking / Operating systems Linux Windows / Poster and graphical design / Image Preprocessing and Image Classification. / Data Gathering, Data Processing, Data Visualization, Data Analysis / Big data analysis / YouTube Analytics / Social Media Influencer

HOBBIES AND INTERESTS

Conducting Research I am always looking for time to conduct an experiment with Python programming.

Teaching Interests I want to teach poor students free of cost. In my country there are millions of students who cant afford school fees, I always have a dream to teach them.

Teaching with Technology I believe that new students should teach according to their expectation, and that is possible by using latest technologies and tools.

LANGUAGE SKILLS

Mother tongue(s): Pashto

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** C1

Urdu

LISTENING C2 **READING** C2 **WRITING** C2

SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2

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

Recommendations

Name	Position	Organization:	Email	Contact Number
Prof. Dr. Muhammad Mansoor Alam	Professor	Riphah International University, Islamabad, Pakistan	m.mansoor@riphah.edu.pk	+92-3322834102
Prof. Dr. Hameedur Rehman	Professor	Air University, Islamabad, Pakistan	chair.cgd@au.edu.pk	+92-3355500771
Dr. Musharraf Ahmed	Associate Professor	Riphah International University, Islamabad, Pakistan	musharraf.ahmed@riphah.edu.pk	+92-3215374181