

ABOUT ME

Highly motivated AI/ML enthusiast with an MS in Computer Science, seeking a research position with a deep interest in developing trustworthy AI for precision medicine by translating multimodal machine learning into real-world medical decision support and advancing impactful AI solutions. I also have a background of working on NLP in my master's thesis.

EDUCATION AND TRAINING

04/11/2017 – 14/01/2020 Multan, Pakistan

MASTER OF SCIENCE IN COMPUTER SCIENCE Air University Multan Campus

Core Modules: Research Methods, Data Mining, Machine Learning, Natural language processing ,Advanced Algorithm Analysis.

Thesis Mining quality Phrases from Massive Urdu corpus

04/11/2013 – 09/08/2017 Multan, Pakistan

BACHELOR OF SCIENCE IN COMPUTER SCIENCE The Women University

Core Modules: Intro to Computing, Programming Fundamentals, Intro to DB System, OOP, AI, Design and Analysis of Algorithm, Data Warehousing, Operating System, Theory of Automata, HCI, Computer Graphics.

Thesis School Management System

PUBLICATIONS

2022

Lung cancer detection using supervised machine learning techniques

Rahat Idrees, M Abid, Saleem Raza, Muhammad Kashif, Muhammad Waqas, Mubashir Ali, Laiba Rehman

2023

Integrating the Web of Things in Agriculture: Trends, Challenges, and Opportunities

Khan, F., Mehras, R., Bukhari, F., Kanwal, K., & Rehman, L. (2023). Integrating the Web of Things in Agriculture: Trends, Challenges and Opportunities . Machines and Algorithms, 2(3), 190–225.

Identification of cancerlectin proteins using hyperparameter optimization in deep learning and DDE profiles

R Sikander, A Ghulam, J Hassan, L Rehman, N Jabeen, N Iqbal
Mehran University Research Journal Of Engineering & Technology 42(4), 28-40

Blockchain and Big Data to Revolutionize Archaeological Photogrammetry (AP): A Safe and Effective Method

F Bukhari, S Ilyas, L Rehman, HB Gill, K Kanwal, NI Kajla
Journal of Computing & Biomedical Informatics 4 (02), 249-268

2024

Performance Evaluation of Machine Learning Models for Breast Cancer Prediction

H Ayesha, L Rehman Machines and Algorithms 3 (1), 61-73

Effective deep ensemble methods for the detection of lung cancer with SMOTE

Khadija Kanwal, Muhammad Abubakar, Aiza Shabbir, Laiba Rehman, Hareem Ayesha, H Batool Gill, Afshan Almas, Hina Ali

2025

FROM MOLECULES TO MIND: SIMULATING THE FUTURE OF DATA STORAGE WITH DNA, GRAPHENE AND NEURAL ENCODING

L Rehman, HB Gill, S Ahmad, E Irshad
Kashf Journal of Multidisciplinary Research 2 (10), 45-60

WORK EXPERIENCE

LECTURER – THE WOMEN UNIVERSITY MULTAN – 08/2022 – Current – PAKISTAN

● CONFERENCES AND SEMINARS

The Women University Multan, November 25-26, 2025 | Role: Participant

2nd International Conference on Artificial Intelligence, Computing & Data Sciences

The Women University Multan, March 27, 2017 | Role: Participant

National Seminar on Internet of Things: Challenges and Opportunities in Pakistan

The Women University Multan, February 23-24, 2017 | Role: Attendee

Workshop on Ethical Hacking

● COURSES AND INTERNSHIPS

Courses

- Python for Scientific Research (Udemy)
- Introduction to Generative AI (Coursera)
- UI/UX Design Course (E-Rozgar)

2016 – 2017

Internship

Anox Technologies Software House | Multan, Pakistan

- Assisted in the development and deployment of web applications using PHP and HTML/CSS.
- Maintained user manual documentation, resolved customer complaints, and responded to suggestions for improvements.

● VOLUNTEERING

2017 – CURRENT

Tutor & Mentor

Helping students, juniors in study, and providing mentorship for academic paths and career goals.

2016 – 2020

Events Organizer

Worked as a team member in organizing and managing departmental functions during bachelor's and master's education.

● SKILLS

Python | Machine learning | Microsoft Office | Google Colab | Latex (Overleaf) | Adobe Photoshop | Figma

Soft Skills

Good English Communication | Teamwork & Collaboration | Time Management | Adaptability | Self-Confidence | Problem-Solving

● RECOMMENDATIONS

Dr. Ayesha Afzal Head of Department (Computer Science)

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Email ayesha@aumc.edu.pk

Dr. Muhammad Sanaullah Lecturer (Computer Science)

Institute: Air University, Multan, Pakistan

Email muhammad.sanaullah@aumc.edu.pk