



Rana Arbab Haider

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ABOUT ME

Experienced Computer Science Lecturer specializing in AI, machine learning & Computer Networks. Skilled in research, curriculum development, and student mentorship. Passionate about advancing technology through innovative teaching and impactful research.

EDUCATION AND TRAINING

20/09/2019 – 04/06/2022 Multan, Pakistan

MS COMPUTER SCIENCE National College of Business Administration & Economics Lahore, (Sub-Campus Multan).

Address 60000, Multan, Pakistan | **Website** <https://ncbae.edu.pk/> | **Final grade** 3.52/04 |

Thesis Effect of Water Resources on Agricultural Land Based on Computer Vision & Machine Learning Algorithm.

06/10/2015 – 26/06/2019 Multan, Pakistan

BS COMPUTER SCIENCE MNS-University of Agriculture, Multan.

Address 60000, Multan, Pakistan | **Website** <https://mnsuam.edu.pk/> | **Final grade** 2.89/04

10/08/2013 – 12/09/2015 Multan, Pakistan

F.SC (NON-MEDICAL) Board of Intermediate and Secondary Education, Multan.

Address 60000, Multan, Pakistan | **Website** <https://www.bisemultan.edu.pk> | **Final grade** 710/1100

15/05/2011 – 25/07/2013 Multan, Pakistan

MATRIC (SCIENCE) Board of Intermediate and Secondary Education, Multan.

Address 60000, Multan, Pakistan | **Website** <https://www.bisemultan.edu.pk> | **Final grade** 581/1050

WORK EXPERIENCE

03/02/2025 – CURRENT Multan, Punjab., Pakistan

SENIOR LECTURER NATIONAL UNIVERSITY OF MODERN LANGUAGES

25/10/2024 – 25/01/2025 Multan, Punjab., Pakistan

SENIOR LECTURER CITY COLLEGE (UNIVERSITY CAMPUS), MULTAN.

Business or Sector Education | **Department** Computer Science | **Website** <https://citycollege.edu.pk/>

16/08/2020 – 31/10/2024 Multan, Pakistan

LECTURER KAIMS INTERNATIONAL INSTITUTE, MULTAN

Business or Sector Education | **Department** Computer Science | **Website** <https://kaims.edu.pk/>

19/02/2024 – 02/08/2024 Multan, Punjab., Pakistan

VISITING LECTURER MUHAMMAD NAWAZ SHARIF UNIVERSITY OF ENGINEERING & TECHNOLOGY, MULTAN.

Business or Sector Education | **Department** Information Technology | **Website** <https://mnsuet.edu.pk/>

15/11/2022 – 21/04/2023 Multan, Pakistan

VISITING LECTURER SUPERIOR GROUP OF COLLEGES, MULTAN

Business or Sector Education | **Department** Information Technology | **Address** 60000, Multan, Pakistan |

Website <https://www.superiorcolleges.edu.pk/multan/>

02/09/2019 – 08/07/2020 Multan, Pakistan

COORDINATOR TIMES INSTITUTE, MULTAN

Business or Sector Education | **Department** CS & IT | **Website** <https://www.t.edu.pk/>

26/06/2019 – 26/08/2019 Multan, Pakistan

WEB DEVELOPER (INTERNEE) PROTECH IT ZONE

Business or Sector Information and communication | **Department** Computer Science | **Website** <http://www.protechiz.net/>

14/04/2017 – 09/04/2019 Multan, Pakistan

TEACHER ASSISTANT MUSLIM COLLEGE OF SCIENCE & COMMERCE, MULTAN

Business or Sector Education | **Department** Computer Science | **Website** <https://mphss.edu.pk/>

10/01/2016 – 05/01/2017 Multan, Pakistan

ADMINISTRATIVE OFFICE ASSISTANT PROFESSORS ACADEMY, MULTAN

Business or Sector Education

● PUBLICATIONS

2024

[Neural Network Based Skin Cancer Classification from Clinical Images: Accuracy and Robustness Analysis](#)

This study examines neural networks for classifying skin cancer from clinical images, aiming for high accuracy and robustness. Using diverse images, the models classify benign and malignant lesions, achieving greater accuracy than traditional methods. However, improvements in robustness are essential for real-world reliability.

Published on October 2024 with Co-Authors Khadija Zafar², Sana Basharat³ and Muhammad Faheem Khan⁴

● PROJECTS

04/06/2022

Effect of Water Resources on Agricultural Land based on Computer Vision and Machine Learning Algorithm

analysis of available water resources and their impact on the agricultural land of 04 districts of Multan.

03/2021

Service Node Selection and Optimization for Mobile Crowd Sensing in Road network Environment

Regarding research emphasizes the use of service node selection optimization to raise the quality of service (QoS) in mobile crowd sensing of urban road networks (MCS-URNs).

08/2021

Cyber Security Threats Detection in the Internet of Things Using a Deep Learning Approach

Study of a combined deep learning strategy to detect unlicensed software and malware-infected files network

26/10/2019

Smart Cattle Farm

a Java-based project created for the detection of various diseases in cattle's body.

● **CONFERENCES AND SEMINARS**

02/02/2019 MNS-University of Agriculture, Multan.

3-Day Orientation Session on "Countering Violent Extremism"

02/12/2018 Hospitality inn, Lahore

Faculty Development Workshop

15/08/2017 – 16/09/2017 Driving School City Traffic Police, Multan

Training Session for Defensive Driving and Traffic Rules

23/03/2017 MNS-University of Agriculture, Multan.

1st South Punjab Debate Competition

31/03/2016 MNS-University of Agriculture, Multan.

Cotton Seminar & Kissan Mela

● **DIGITAL SKILLS**

Microsoft Office | Database: MySQL, Oracle Database | Adobe Photoshop, Filmora | WordPress (Theme Customization) | Routing, Switching, Packet Tracer

● **ORGANISATIONAL SKILLS**

Analyze System Requirements as a System Analyst.

Strong Teaching, Research and Documentation Capabilities.

Able to work in crucial circumstances and manage situation accordingly

Office Management and Administration

Hardware and Software Troubleshooting.

● **RECOMMENDATIONS**

Dr. Abdul Majid Soomro Assistant Professor

Currently serving at National University of Modern Languages Islamabad, (Multan Campus).

Email amaramajid@gmail.com | **Phone** (+92) 3317026844

Dr. Muhammad Umar Chaudhary Assistant Professor

Presently employed at Bahauddin Zakariya University, Multan

Email umar.chaudhry@bzu.edu.pk | **Phone** (+92) 3366034688