

WAJEEHA YASEEN

Lecturer (BPS-18)

Institute of Computer Science & Information Technology

The Women University Multan

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Research Gate: [https://www.researchgate.net/profile/Wajeeha-Yaseen-2?ev=hdr\\_xprf](https://www.researchgate.net/profile/Wajeeha-Yaseen-2?ev=hdr_xprf)

PERSONAL INFORMATION

|                   |                                                                    |
|-------------------|--------------------------------------------------------------------|
| CNIC              | 33104-0747465-2                                                    |
| Date of Birth     | 26-09-1996                                                         |
| Designation       | Lecturer (BPS-18), Computer Science                                |
| Date of Joining   | 31-08-2022                                                         |
| Employment Status | Regular Faculty                                                    |
| Employee ID       | 6586                                                               |
| Address           | House 22, Street 02, Siddiqabad-1, Old Shujabad Road, Multan Cantt |

PROFESSIONAL PROFILE

Dedicated Computer Science academic with progressive teaching experience across public and private sector institutions, currently serving as Lecturer at the Institute of Computer Science & Information Technology, The Women University Multan. Research interests center on Artificial Intelligence, Machine Learning, Deep Learning, Medical Imaging and Explainable AI, with an MS research focus on brain tumor segmentation using deep learning techniques. Experienced in curriculum delivery across programming, software engineering, and systems courses, with a strong commitment to student supervision, academic leadership, and curriculum development. Actively engaged in conference organization, research publication, and faculty development, including completion of the HEC NAHE faculty training program.

ACADEMIC QUALIFICATIONS

| Degree              | University                                    | CGPA / %                        | Year      |
|---------------------|-----------------------------------------------|---------------------------------|-----------|
| MS Computer Science | Air University, Multan Campus (MNSUA)         | CGPA 3.3                        | 2019-2021 |
| BS Computer Science | MNS University of Agriculture, Multan (AUMC)  | CGPA 3.91<br>84% (1st Position) | 2014-2018 |
| FSc Pre-Engineering | F.G. Degree College for Women, Multan (FBISE) | 70% (1st Division)              | 2012-2014 |
| Matriculation       | F.G. Girls Public School, Multan (FBISE)      | 82% (1st Division)              | 2010-2012 |

TEACHING EXPERIENCE

Lecturer, Computer Science (BPS-18) | The Women University Multan

Teaching undergraduate courses in Programming Fundamentals, Object-Oriented Programming, Computer Organization & Assembly Language (COAL), Data Structures & Algorithms, Artificial Intelligence, Computer Architecture, and Computer Vision. Supervised 46+ undergraduate Final Year Projects (BSCS & BSIT) in Artificial Intelligence, Machine Learning, Computer Vision, Data Science, Web Technologies, and Software Development (2022–2026).

31-08-2022 – Present

Visiting Lecturer, Computer Science | MNS University of Agriculture, Multan

Delivered lectures and practical sessions for Introduction to Computing, Programming Fundamentals, Discrete Structures, and Introduction to HTML, while preparing course materials, assessments, and evaluating student performance.

01-04-2021 – 01-04-2022

Visiting Lecturer, Computer Science | The Women University Multan

Delivered lectures and practical sessions for Introduction to Computing, Introduction to E-Commerce, and Database Administration, while preparing course materials, assessments, and evaluating student performance.

05-05-2021 – 01-04-2022

Lecturer, Computer Science | Galaxy Group of Colleges, Multan

Delivering lectures, practical work, assignments, arranging and marking class tests, and office work.

02-07-2018 – 20-12-2018

## INTERSHIPS

### Pakistan Telecommunication Company Limited (PTCL)

25-07-2017 – 06-10-2018

Completed a rotational internship across PTCL's Transmission, Switching, and Wireless departments, gaining practical exposure to telecommunications network operations.

### Multan Electric Power Company (MEPCO)

17-08-2017 – 29-09-2017

Contributed to the "Customer Bill Information via SMS" project using PHP, HTML, CSS, JavaScript, Bootstrap, and Microsoft SQL Server.

### College Teaching Intern (CTI), Computer Science | Govt. Degree College (W), Mumtazabad

01-09-2019 – 31-05-2021

Delivered undergraduate Computer Science courses, conducted practical sessions, prepared assessments, and supported student learning as a College Teaching Intern (CTI).

## RESEARCH EXPERIENCE & SPECIALIZATION

**Research Focus:** Artificial Intelligence, Machine Learning, Deep Learning, Medical Imaging, Computer Vision, Explainable AI

**MS Thesis:** Brain Tumor Segmentation Using Deep Learning (Air University, Multan Campus)

**Current Research:** Deep learning applications in medical image segmentation and classification

**Future Research:** Explainable AI for medical diagnostics; deep learning for agricultural and industrial image classification

**Research Interests:** Deep Learning, Computer Vision, Medical Imaging, Explainable AI, Data Mining

## RESEARCH PROFILES

|                |                                                                                                                                                   |
|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Google Scholar | <a href="https://scholar.google.com/citations?user=mk20T8AAAAAJ&amp;hl=en">https://scholar.google.com/citations?user=mk20T8AAAAAJ&amp;hl=en</a>   |
| ORCID          | 0009-0000-6002-511X                                                                                                                               |
| ResearchGate   | <a href="https://www.researchgate.net/profile/Wajeeha-Yaseen-2?ev=hdr_xprf">https://www.researchgate.net/profile/Wajeeha-Yaseen-2?ev=hdr_xprf</a> |
| LinkedIn       | <a href="http://www.linkedin.com/in/wajeeha-yaseen-748687130">www.linkedin.com/in/wajeeha-yaseen-748687130</a>                                    |

## PUBLICATIONS

### Peer-Reviewed Journal Articles

- Yaseen, W., Sajid, M., Noor, S., & Khan, A. U. (2023). Brain Tumor Segmentation using Deep Learning. *VFAST Transactions on Software Engineering*, 11(2), 1–10. DOI:10.21015/vtse.v11i2.1533
- Ishaq, H. M., Siddiqui, M. N., Rafiq, M. U., Raza, M. H., Niazi, A. K., Yaseen, W., Qadri, S., & Aziz Ur Rehman, M. (2025). Applying VGG-16 for Classification of Rice Varieties Incorporating Color and Texture Features. *Lahore Garrison University Research Journal of Computer Science and Information Technology*, 9(1), 11–19. DOI: 10.54692/lgurjcsit.2025.91648.
- Siddiqui, M. N., Rafiq, M. U., Rehman, M., Mudasir, M., Yaseen, W., Aziz Ur Rehman, M., Hussain, I., & Khan, M. Y. (2025). Review of Flutter Application Safeguards Against Security Breaches. *Lahore Garrison University Research Journal of Computer Science and Information Technology*, 9(1), 20–29. DOI: 10.54692/lgurjcsit.2025.91649.

### Conference Abstracts

- Comparative Study of Brain Tumor Segmentation Using Different Segmentation Techniques  
*1st International Conference on Emerging Trends & Challenges in Artificial Intelligence (ICETCAI 2024)*, The Women University Multan, Pakistan, 9–10 January 2024.
- Exploring the Power of Generative AI: Enhancing Capabilities and Eradicating Limitations  
*International Conference on Food & Applied Sciences (ICFAS-23)*, Dir-Kumrat, Pakistan, 3–5 August 2023.
- Adapting Food Routines in the Post COVID-19 Era  
*International Conference on Food & Applied Sciences (ICFAS-23)*, Dir-Kumrat, Pakistan, 3–5 August 2023.
- Machine Learning Techniques on Celiac Disease  
*International Conference on Food & Applied Sciences (ICFAS-23)*, Dir-Kumrat, Pakistan, 3–5 August 2023.
- IoT Security in Real-Time Healthcare: A Comparative Framework Analysis  
*2nd International Conference on Food & Applied Sciences (ICFAS-24)*, Nathia Gali, Pakistan, 19–21 August 2024.
- Real-Time Face Mask Detection and Crowd Sensing  
*2nd International Conference on Food & Applied Sciences (ICFAS-24)*, Nathia Gali, Pakistan, 19–21 August 2024.
- Using Large Language Models for Understanding Journalistic Polarization on Social Media  
*International Conference on Food & Applied Sciences (ICFAS-23)*, Dir-Kumrat, Pakistan, 3–5 August 2023.

## 8. CONFERENCES, WORKSHOPS, SEMINARS & FDPS

### Organizer

- Host, TechXpo-2026: Final Year Project Exhibition and Poster Competition, Institute of Computer Science & Information Technology, The Women University Multan, 9 June 2026.
- Chief Organizer, 2nd International Conference on Artificial Intelligence, Computing & Data Sciences (AICD-2025), Institute of Computer Science & Information Technology, The Women University Multan, 25–26 November 2025.
- Chief Organizer, TechXpo-2025: Final Year Project Exhibition and Poster Competition, Institute of Computer Science & Information Technology, The Women University Multan, 1 July 2025.
- Organizer, 1st International Conference on Emerging Trends & Challenges in Artificial Intelligence (ICETCAI 2024), Institute of Computer Science & Information Technology, The Women University Multan, 9–10 January 2024.
- Co-Organizer & Speaker, International Sci-Arts Conference; received an Award Shield in recognition of contributions.
- Organizer, Pink Ribbon Day Awareness Event, The Women University Multan, October 2022.
- Organizer, Eid Milad-un-Nabi ﷺ Celebration, Department of Computer Science, The Women University Multan, 2022.

### Participant

- Participant, 2nd International Conference on Food & Applied Sciences (ICFAS-2024), Nathia Gali, Pakistan.
- Participant, TechXpo-2024: Final Year Project Exhibition and Poster Competition, Institute of Computer Science & Information Technology, The Women University Multan.
- Participant, Seminar on Smart Business Intelligence, Institute of Computer Science & Information Technology, The Women University Multan.
- Participant, Seminar on React Native – A Future-Driven Technology, Institute of Computer Science & Information Technology, The Women University Multan.
- Participant, International Conference on Artificial Intelligence and Emerging Technologies (ICAJET-2023), Institute of Computing, MNS University of Agriculture, Multan.
- Participant, Training Workshop on Intellectual Property Rights and Patent Writing, ORIC, 2 October 2023.
- Participant, Freelancing & Digital Marketing Conference, CCRI, Multan.
- Participant, Cyber Security Conference, Bahauddin Zakariya University (BZU), Multan.
- Participant, Red Hat Linux Workshop, MNS University of Agriculture, Multan.

### Faculty Development Programs (FDP)

- **30-Day Faculty Development Program (FDP), National Academy of Higher Education (NAHE), Higher Education Commission (HEC), Pakistan**, covering Outcome-Based Education (OBE), modern pedagogy, research methodologies, digital teaching tools, assessment strategies, and academic leadership.

## ADMINISTRATIVE RESPONSIBILITIES

| Committee / Role                                                  | Duration                    |
|-------------------------------------------------------------------|-----------------------------|
| Time table Incharge                                               | January 2023 - October 2024 |
| Focal person - Scholarship                                        | July 2024 – APRIL 2026      |
| Member - Departmental QEC                                         | Sep 2023 – March 2026       |
| Lab-3 and Room Incharge                                           | JAN 2023 - July 2024        |
| Member - Admission Committee for Computer Science                 | JAN 2022 – July 2024        |
| Student Project Schedule and Topics Approvals                     | March 2023 – July 2024      |
| Visiting Committee                                                | August 2023 – July 2024     |
| CS Program Coordinator                                            | JAN 2023 – July 2024        |
| Students Registration                                             | Sep 2023 – July 2024        |
| Member - Admission Committee for Information Technology (Evening) | July 2024                   |
| CM Laptop Scheme 2025                                             | March 2025 – APRIL 2026     |

## ACHIEVEMENTS & AWARDS

- 1st Position, BS Computer Science, MNS University of Agriculture, Multan.
- HEC Merit-Based Scholarship.
- 30-Day NAHE Training Program (HEC) — faculty and academic development training in pedagogy, research methods, and digital tools.
- Award Shield — Speaker at the International Sci-Arts Conference.

## TECHNICAL SKILLS

| Category                 | Details                                                                                                                                                              |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Programming Languages    | C, C++, C#, Java, Python, SQL, Assembly Language, HTML, CSS, JavaScript, Object-Oriented Programming                                                                 |
| Deep Learning Frameworks | TensorFlow, Keras                                                                                                                                                    |
| Databases                | Microsoft SQL Server, MS Access, SQL                                                                                                                                 |
| Development Environments | Jupyter Notebook, Google Collab, Spyder, Visual Studio, Eclipse, Notepad++, Turbo C, Virtual Box, DosBox , Adobe Photoshop, Canva, Capcut, VS Code, Dev C++, Emu8086 |
| Office Applications      | MS Word, MS PowerPoint, MS Excel, MS Access                                                                                                                          |

## CERTIFICATIONS

| Certification                                                                                            | Organization                              | Year |
|----------------------------------------------------------------------------------------------------------|-------------------------------------------|------|
| NAHE Faculty Training Program (30-Day)                                                                   | National Academy of Higher Education, HEC | 2025 |
| IEEE Learning & Research for Pakistan Students & Researchers: An Overview of IEEE Xplore Digital Library | IEEE                                      | 2026 |
| From Research to Publication: An Overview on IEEE Publication Process                                    | IEEE                                      | 2025 |
| Programming for Everybody (Getting Started with Python)                                                  | University of Michigan (Coursera)         | 2020 |
| Neural Network from Scratch in TensorFlow                                                                | Rhyme (Coursera)                          | 2020 |

## REFERENCES

Available upon request.