

Basharat Ahmad Hassan

Computer Science Researcher



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ABOUT MYSELF

Passionate and innovative Computer Science researcher specializing in Artificial Intelligence and Machine Learning. Eager to apply deep expertise in neural networks, deep learning, and predictive modeling to drive pioneering advancements in AI applications. Seeking opportunities to contribute to cutting-edge research and development.

WORK EXPERIENCE

11/2025 – Present
Peshawar, Pakistan

THE UNIVERSITY OF AGRICULTURE PESHAWAR,

Lecturer in Computer Science / Information Technology

- Deliver lectures
- Prepare lecture material (slides, notes, examples, labs).
- Conduct lab sessions for programming, AI, data science, databases, etc.
- Design quizzes, assignments, term projects, and exams.
- Ensure course coverage as per the approved HEC curriculum.
- Supervising Students Final Year Projects
- Maintain class discipline and learning environment.

31/07/2024 – 11/2025
PESHAWAR, PAKISTAN

ABASYN UNIVERSITY PESHAWAR, *LECTURER IN COMPUTING DEPARTMENT*

Regular full time Lecturer at Computing Department

FINAL YEAR PROJECT COORDINATOR - 01/09/2024 - 15/11/2025

- Develop and update FYP policies, guidelines, and evaluation criteria.
- Ensure FYP activities align with departmental and accreditation standards (e.g., NCEAC).
- Prepare and circulate the FYP calendar and schedule of all evaluations.
- Coordinate proposal, mid-term, and final evaluation sessions.
- Assign supervisors and co-supervisors according to faculty expertise and workload.
- Maintain and update records of supervisor-student allocations.
- Monitor progress of all FYP groups through regular updates and meetings.
- Address and resolve issues or delays faced by students and supervisors.
- Form evaluation committees and ensure fair assessment using standard rubrics.
- Oversee plagiarism checks and ensure academic integrity in all submissions.

25/03/2024 – 30/07/2024
SWAT, PAKISTAN

IQRA NATIONAL UNIVERSITY SWAT CAMPUS, *LECTURER COMPUTER SCIENCE*

- Full Time Computer Science Lecturer

EDUCATION AND TRAINING

20/11/2020 – 12/02/2024
Peshawar, Pakistan

MS COMPUTER SCIENCE, *Qurtuba University of Science and Technology Peshawar*

Website <https://www.qurtuba.edu.pk/> Final grade CGPA 4.0 out of 4.0

Thesis Similarity Measures Based K-Nearest Neighbor Classifier for Categorical Data

05/10/2015 – 17/07/2020
Peshawar, Pakistan

BS COMPUTER SCIENCE, University of Peshawar
Website <http://www.uop.edu.pk/> | Final grade CGPA 2.76 Out of 4.00 | Thesis Lost and Found Management System

01/09/2013 – 11/08/2015
Peshawar, Pakistan

HIGH SECONDARY SCHOOL CERTIFICATE,
Board of Intermediate and Secondary Education Peshawar
Website <https://www.bisep.edu.pk/> Final grade 72.9%

01/05/2010 – 05/05/2012
Chitral, Pakistan

SECONDARY SCHOOL CERTIFICATE, Aga Khan University Examination Board (AKUEB)
Website <https://examinationboard.aku.edu/> Final grade 67.6%

PUBLICATIONS

18/11/2025 **Enhanced Similarity Measure-Driven K-Nearest Neighbor Framework for Categorical Data Classification, International Journal of Innovations in Science & Technology (IJIST)**
18 November 2025 (Vol 7, Issue 4)
<https://journal.50sea.com/index.php/IJIST/article/view/1611> ↗

28/11/2025 **Maximum Value Attribute based Decision Tree and Random Forest for COVID-19 Prediction, International Journal of Innovations in Science & Technology (IJIST)**
28 November 2025 (Vol 7, Issue 4)
<https://journal.50sea.com/index.php/IJIST/article/view/1659> ↗

24/11/2025 **A Modified K-Nearest Neighbors Algorithm for the Detection of Heart Disease, International Journal of innovations in Science & Tecchnology (IJIST)**
24 November 2025 (Vol 7, Issue 4)
<https://journal.50sea.com/index.php/IJIST/article/view/1654> ↗

SKILLS

- Python
- MATLAB
- Adobe Photoshop, Illustrator, AI
- C++
- Microsoft Office
- SPSS
- Mendeley Desktop

CREATIVE WORKS

07/09/2014 – 09/09/2014 **Science Technology and Arts Competition, Foot-Powered Energy: Innovative Shoe Design for Mobile Device Charging Through Kinetic Energy Harvesting**
We have created shoes that charge a battery inside them as you wear and walk in them. Later, you can recharge your mobile phone by plugging it into the shoe. We received prize money for this innovative project.

LANGUAGE SKILLS

KHOWAR(CHITRALI)
Mother tongue(s):
KHOWAR(CHITRALI)

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

URDU
C2 C2 C2 C2 C2

HONOURS AND AWARDS

05/11/2022

First Position in MS Computer Science (Session Fall 2020),

Qurtuba University of Science and Technology, Peshawar Pakistan

I was honored to secure the first position in the MS Computer Science program fall 2020.

RESEARCH AND PROJECTS

01/12/2021 – 11/11/2023

MS Research,

"Similarity Measures Based K-Nearest Neighbors Classifier for Categorical Data."

01/06/2018 – 10/09/2019

Bachelor Final Year Project, "Lost And Found Management System"

References

Dr. Jamal Uddin, Associate Professor,

Department, Riphah School of Computing & Innovation, Riphah International University Pakistan (Lahore)

jamuddin1983@gmail.com, +923002847722

Dr. Gulzar Mehmood, Associate Professor and Head of Computer Science Department,

IQRA National University Swat Campus, Pakistan

gulzarmehmood@inuswat.edu.pk, +923468005254

Dr. Taj Rahman, Associate Professor and Head of Computer Science Department,

Qurtuba University of Science and Technology Peshawar, Pakistan

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