



GHOUSIA TANVEER

Lecturer

ABOUT ME

Dedicated professional with a strong background in Computer Science and passionate about fostering learning through innovative teaching methods and real-world applications. Committed to continuous learning and helping others achieve their academic and career goals.

WORK EXPERIENCE

Lecturer

Februray 2024- Present

Barani Institute of information Technology | Rawalpindi

Teaching Application of Information & Communication Technologies (AICT) and Data Structures courses to undergraduate students.

Core Responsibilities included:

- Delivering lectures and conducting labs
- Completion of course content
- Preparing assignments and quizzes
- Managing results
- Maintaining course folders
- Supervising Final Year Project students, conducting meetings, and reviewing ERD (Entity-Relationship Diagrams)

Visiting Faculty Member

September 2024 - Februray 2025

Quaid-i-Azam University | Islamabad

August 2023 - Februray 2024

Askaria College | Saddar, Rawalpindi

March 2021 - August 2021

Allied School | Dhoke Khabba, Rawalpindi

- Taught Computer Science to matric, intermediate, and undergraduate students.
- As a lecturer, I was responsible for delivering lectures, preparing lab sessions, addressing student queries, resolving their issues, and maintaining academic results.
- Attended workshops and meetings with various schools and colleges to discuss teaching methodologies.

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📍 Rawalpindi, Pakistan

EDUCATION

M. Phil in Computer Sci

Quaid-i-Azam University, Isb
2021 - 2023

BS (4 years) in IT

PMAS Arid Agriculture University
2017 - 2021

TEACHING INTERESTS

Discrete Mathematics

Data Structures

AICT

OOP

Programming Fundamentals

Web Technology

LANGUAGE

English

Urdu

CORE SKILLS & ACHIEVEMENTS

- Certificate in Data Science
- Certificate in Cyber Security
- Certificate in Artificial Intelligence
- Certificate in English Communication through Email
- Certificate by Foster Learning Organization
 - Got 4/4 GPA in 6th semester
 - Awarded HEC Scholarship at BS level
 - Received Fellowship from Computer Science Department at Quaid-i-Azam University (QAU)
- Evaluated intermediate-level examination papers for FBISE (Federal Board of Intermediate and Secondary Education).

ACADEMIC RESEARCH & PROJECT

Final Year Research: (Title: Comparison of Machine Learning Algorithms Using Segmentation)

My research focused on evaluating the accuracy of various machine learning algorithms through different evaluation metrics, both with and without image segmentation. The CT Kidney dataset was utilized for this study, and three widely used algorithms—CNN, EfficientNet, and VGG—were analyzed. The performance of these algorithms was further enhanced and compared using watershed segmentation to achieve better insights into their effectiveness.

Final Year Project: (Title: Pure Silk Milk)

Developed an Android application to facilitate online ordering of dairy products, allowing customers to place orders via the app. The app connected to the internet for real-time order processing, enabling delivery of milk to customers. The project aimed to save time and ensure product purity. Firebase was used as the backend database.

SEMESTER PAPERS & PROJECTS

- Evolution of Cellular Networks from 2G to 6G (Advance Computer Networks)
- Review on Age & Gender Detection Techniques (Computer Vision)
- Hotel Management System (Programming Fundamentals)
- Cooking scenario (Multimedia Technologies)
- Hotel Reservation System (Web Development and Design)
- Online Selling of School Uniform (Database Management System)

PLATFORMS USED

- Dev C++, Visual Studio, Muvizu, Wondershare EdrawMax, Overleaf latex, Google Colaboratory and MS office

REFERENCES

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