MUHAMMAD SALAH-UD-DIN **IQBAL**

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A passionate Computer Scientist looking for opportunity to further build upon and learn new skillsets.

EXPERIENCE

2026---

LECTURER, National University of Modern Language, Lahore

Teaching Object oriented programming.
Teaching Artificial Intelligence
Teaching Database with MySQL.
Teaching web development.
Teaching Data sciences and machine learning.

2024-2026

LECTURER, Minhaj university Lahore

Teaching Artificial Intelligence
Teaching Database with MySQL.
Teaching web development.
Teaching Data sciences and machine learning.

2022 -2024

LECTURER, LAHORE INSTITUTE OF SCIENCE AND TECHNOLOGY

Taught Database with MySQL.
Teaching Artificial Intelligence
Taught web development.
Taught Data sciences and machine learning.

2017 – 2019

FRONT END DEVELOPER, SERVICES GROUND, SAHIWAL

Develop new user-facing features
Ensure the technical feasibility of UI/UX designs
To build front end of multiple websites / prototypes
Optimize application for maximum speed and scalability
Collaborate with other team members and stakeholders
Assure that all user input is validated before submitting to back-end
Timely delivery of assigned projects
Worked on HTML, CSS, Bootstrap, JQuery and Javascript.

EDUCATION

2025---

PHD COMPUTER SCIENCES, GREEN INTERNATIONAL UNIVERSITY, LAHORE.

2019-2021

MPHIL COMPUTER SCIENCES, LAHORE LEADS UNIVERSITY, LAHORE

Worked in Data sciences and Artificial intelligence with the thesis title “DEEP LEARNING IN MENTAL HEALTH, A SYSTEMATIC REVIEW”.

2015-2019

BACHELORS IN COMPUTER SCIENCES, BAHAUDIN ZAKARIYA UNIVERSITY, MULTAN

2012-2015

FSC PRE-MEDICAL, FORMAN CHRISTIAN COLLEGE, LAHORE

SKILLS

- HTML
- CSS
- Bootstrap
- Javascript
- Microsoft Office
- Microsoft Word
- Power BI
- Python
- Matplotlib
- TensorFlow
- Pandas
- Seaborn
- SQL
- Microsoft Excel

ACTIVITIES

Interpersonal
Leadership, Team Management, Problem Solving, Strong Decision Making

PUBLICATIONS

- A Comparative Study of Different Denoising Techniques in Digital Image Processing
- Systematic review: Machine learning and deep learning based prostate cancer prediction
- Comparative Analysis of Machine Learning Algorithms for Breast Cancer Detection: A Study of Support Vector Classification, Logistic Regression
- Prognosis of Breast Cancer using Machine Learning Techniques and Analyzing Food Habits of Pakistani Women
- Synergetic ZIF-8@ZIF-62 Frameworks for Advanced Fluoroquinolone Removal and Bacterial Inhibition: Machine Learning-Driven Performance Prediction and Optimization (Under review)

LEADERSHIP EXPERIENCE

President – Student Welfare Society- FORMAN WELFARE SOCIETY
Student Welfare Society is a Charity Organization in Forman Christian college which raises funds and helps underprivileged people.

President – Student Welfare Society
Student Welfare Society is a Charity Organization in BZU which raises funds and helps underprivileged people.

Workshop – Data analysis
Organized workshop for university fellows to help them getting started with Data analysis.

Workshop – Data mining
Organized workshop for university fellows to help them getting started with Data mining using python.

Seminar – Deep Learning
Gave seminar on deep learning covering basics of deep learning to its use cases which helped building interest of new students in this field.

Workshop – Microsoft Word
Organized workshop for university fellows to help them getting understanding with Microsoft Word and main purpose was creating the understanding of formatting of document.

PROJECTS

Plant leaf disease detection using CNN and ReSnet.
Created Computer Vision project using the already available dataset with the accuracy of more than 90% and in the future to make more accurate. There are 4 types of diseases diagnosed in the dataset.

Detection and differentiate between Covid-19 and Pneumonia using CNN and ReSnet.
Created Computer Vision project using the already available dataset of multiple patients who are diagnosed with pneumonia and COVID-19 with the accuracy of more than 90% and in the future to make more accurate.

DEPRESSION DETECTION MODEL WITH MACHINE LEARNING AND DEEP LEARNING
Created Depression detection model with the help of machine learning and deep learning model. SVM, Logistic Regression and Naïve bayes are the major models with the accuracy of more than 98%.