



Muhammad Rashid

Date of birth: 21/11/1992 | **Nationality:** Pakistani | **Gender:** Male | **Phone number:** (+92) 3217949994 (Mobile) | **Phone number:** (+92) 3127949994 (Work) |

Email address: rashid047571@gmail.com | **Website:**

<https://github.com/rashidrao-pk> | **LinkedIn:**

<https://www.linkedin.com/in/rashid-rao-cuipakistan/> |

Whatsapp Messenger: +923217949994 |

Address: House No E19, street No 9, E Block, New City Phase 2, 46500, Rawalpindi, Pakistan (Home)

● WORK EXPERIENCE

02/08/2021 – CURRENT Taxila, Pakistan

RESEARCH ASSISTANT HITEC UNIVERSITY TAXILA

Machine Learning, Computer Vision, Deep Learning, Medical Imaging, Agricultural Imaging. Completed 9 Publications.

Business or Sector Professional, scientific and technical activities | **Department** Computer Science

Link https://scholar.google.com/citations?view_op=list_works&hl=en&hl=en&user=F5u_Z5MAAAA

01/01/2017 – 09/08/2019 Taxila, Pakistan

RESEARCH SCHOLAR COMSATS UNIVERSITY ISLAMABAD, WAH CAMPUS

Published 7 Research Articles in Top Journals including Q1.

03/09/2019 – 27/06/2021 Taxila, Pakistan

TEACHER ASSISTANT HITEC UNIVERSITY TAXILA

Subjects:

Web Engineering

Digital Image Processing

Programming Fundamentals

Data Structures and Algorithms

Business or Sector Education | **Department** Computer Science

01/04/2018 – CURRENT US, United States

COMPUTER VISION & MACHINE LEARNING EXPERT FREELANCE PLATFORM (FIVERR & UPWORK)

Research-based Applications/Methodology Development on Freelance Platforms

Business or Sector Professional, scientific and technical activities

02/01/2015 – 29/12/2016 US, United States

WEB DEVELOPER FIVERR

Custom PHP Development

CodeIgniter Framework Development

Business or Sector Professional, scientific and technical activities



● EDUCATION AND TRAINING

01/02/2017 – 30/09/2019 Wahcantt, Pakistan

MASTER OF SCIENCE (COMPUTER SCIENCE) COMSATS University Islamabad, Wah Campus

Completed 7 Publications in Computer Vision and Machine Learning

Address Mall Road, Quaid Avenue, Wah Cantt, Rawalpindi, Punjab, Wahcantt, Pakistan |

Website <https://cuiwah.edu.pk> | **Field of study** Computer Science | **Final grade** 3.77/4.00 |

Thesis Object Detection and Classification Based on Feature Fusion and Deep Convolutional Neural Network

02/01/2011 – 06/09/2016 Islamabad, Pakistan

BACHELOR OF SCIENCE (COMPUTER SCIENCE) Allama Iqbal Open University

AI and Web Based Application: Online Venue Booking and Tour Planning
www.ovbtp.com

Address Islamabad, Pakistan, Islamabad, Pakistan | **Website** <https://aiou.edu.pk/> |

Field of study Computer Science | **Final grade** 3.19/4.00 |

Thesis AI and Web Based Application: Online Venue Booking and Tour Planning

Link www.ovbtp.com

2007 – 2009 Muzaffar Gargh, Pakistan

F.SC (PRE-ENGINEERING) Punjab Public Higher Secondary School Muzaffar Gargh, BISE DG Khan

Address Muzaffar Gargh, Muzaffar Gargh, Pakistan | **Website** <https://www.bisedgkhan.edu.pk/> |

Field of study Pre Engineering | **Final grade** 63.63%, 700/1100

2005 – 2007

MATRIC (SCIENCE) Allama Iqbal High School Gilawala, BISE Multan

Website <https://web.bisemultan.edu.pk> | **Field of study** Science | **Final grade** 86.35%, 734/850

● DIGITAL SKILLS

Artificial intelligence | Computer Vision | Machine Learning | Python | Matlab | Deep Learning | neural networks | Adobe (Adobe Photoshop, Adobe Illustrator, Adobe InDesign, Adobe Dreamweaver, Adobe Premiere) | Web Design & Web Development | Advanced in PHP (Codeigniter, WordPress, MVC)

● ADDITIONAL INFORMATION

PUBLICATIONS

[A sustainable deep learning framework for object recognition using multi-layers deep features fusion and selection](#)

– 2020

A sustainable deep learning framework for **object recognition** using multi-layers deep features fusion and selection.

([GitHub](#) | [Paper Link](#))

Muhammad Rashid, Muhammad Attique Khan, Majed Alhaisoni, Shui-Hua Wang, Syed Rameez Naqvi, Amjad Rehman, Tanzila Saba

Sustainability - **IF 3.25** | 19 June 2020

Link <https://github.com/rashidrao-pk/A-sustainable-deep-learning-framework-for-object-recognition-using-multi-layers-deep-features-fusion/tree/master>



[Object Detection and Classification: A Joint Selection and Fusion Strategy of Deep Convolutional Neural Network and SIFT Point Features](#)

– 2018

Object Detection and Classification: A Joint Selection and Fusion Strategy of Deep Convolutional Neural Network and SIFT Point Features.

([GitHub](#) | [Paper Link](#))

Muhammad Rashid, Muhammad Attique Khan, Muhammad Sharif, Mudassar Raza, Muhammad Masood, Farhat Afza

Multimedia Tools and Applications: **IF 2.577** | 08-12-2018

Link <https://github.com/rashidrao-pk/Object-Detection-and-Classification-A-Joint-Selection-and-Fusion-Strategy-of-Deep-Convolutional-Neu>

[Deep CNN and geometric features-based gastrointestinal tract diseases detection and classification from wireless capsule endoscopy images](#)

– 2019

Deep CNN and geometric features-based gastrointestinal tract diseases detection and classification from wireless capsule endoscopy images.

([GitHub](#) | [Paper Link](#))

Muhammad Sharif, Muhammad Attique Khan, **Muhammad Rashid**, Mussarat Yasmin, Farhat Afza, Urcun John Tanik

Journal of Experimental & Theoretical Artificial Intelligence: **IF 2.296** | 02-02-2019

Link <https://github.com/rashidrao-pk/Deep-CNN-and-geometric-features-based-gastrointestinal-tract-diseases-detection-and-classification-f>

[Classification of Gastrointestinal Diseases of Stomach from WCE using the improved Saliency-based method and Color Features](#)

– 2019

Classification of Gastrointestinal Diseases of Stomach from WCE using the improved Saliency-based method and Color Features.

([GitHub](#) | [Paper Link](#))

Muhammad Attique Khan, **Muhammad Rashid**, Muhammad Sharif, Kashif Javed

Multimedia Tools and Applications - **IF 2.577** | 06-06-2019

Link <https://github.com/rashidrao-pk/Classification-of-Gastrointestinal-Diseases-of-Stomach-from-WCE-using-the-improved-Saliency-based-me>

[An integrated framework of skin lesion detection and recognition through saliency method and optimal deep neural network features selection.](#)

– 2019

An integrated framework of skin lesion detection and recognition through saliency method and optimal deep neural network features selection.

([GitHub](#) | [Paper Link](#))

M Attique Khan, Tallha Akram, Muhammad Sharif, Kashif Javed, **Muhammad Rashid**, Syed Ahmad Chan Bukhari

Neural Computing and Applications - **IF 5.102** | 08-11-2019

Link <https://github.com/rashidrao-pk/An-integrated-framework-of-skin-lesion-detection-and-recognition-through-saliency-method-and-optimal>

[Region-based active contour JSEG fusion technique for skin lesion segmentation from dermoscopic images](#)

– 2019

Region-based active contour JSEG fusion technique for skin lesion segmentation from dermoscopic images.

([GitHub](#) | [Paper Link](#))

Rabia Javed, Mohd Shafry Mohd Rahim, Tanzila Saba, **Muhammad Rashid**

Biomedical Research | **IF 0.219** | 19-09-2019

Link <https://github.com/rashidrao-pk/Region-based-active-contour-JSEG-fusion-technique-for-skin-lesion-segmentation-from-dermoscopic-imag>



An Optimized Approach for Breast Cancer Classification for Histopathological Images Based on Hybrid Feature Set

- 2020

An Optimized Approach for Breast Cancer Classification for Histopathological Images Based on Hybrid Feature Set.

([GitHub](#) | [Paper Link](#))

Inzamam Mashood Nasir, **Muhammad Rashid**, Jamal Hussain Shah, Muhammad Sharif, Muhammad Yahya Haider Awan, Monagi H Alkinani

Current medical imaging - **IF 1.315** | 22-04-2020

Link <https://github.com/rashidrao-pk/An-Optimized-Approach-for-Breast-Cancer-Classification-for-Histopathological-Images-Based-on-Hybrid->

PROJECTS

01/04/2018 - CURRENT

Projects Completed on Freelance Platforms Completed Following Projects as Freelancer on different platforms:

1. [Bone Cancer Detection using MRI Images](#)
2. [Driver drowsiness Detection based on Facial Features](#)
3. [Fruit Classification for Automated Harvesting and Fruits Packing using Neural Networks](#)
4. [Skin Lesion Detection, Segmentation, and Classification](#)
5. [Brain Tumor Detection and Identification](#)
6. [DOM Creation using Computer Vision and Machine Learning Approach](#)
7. [Ant Movement Simulator using Genetic Algorithm based approach](#)
8. [Skin Segmentation from Face Images using DLIB information](#)
9. [Image Stitching using SIFT features for Panorama Creation](#)
10. [Image Denoising Using Contourlet-based Feature Pyramid](#)
11. [Image Matching using Point Features and Epiplar Lines](#)
12. [Document Classification Based on Deep Learning](#)
13. [Polynomial Regression based on Deep Learning](#)
14. [Blood Vessels Extraction from Fundus Images](#)
15. [Person Re-Identification using Multiple Cams](#)
16. [Lungs Nodule Detection and Classification](#)
17. [Image Fusion based on correlation](#)
18. [Patch-Based Image Enhancements](#)
19. [Low Light Image Enhancements](#)

Link <https://github.com/rashidrao-pk>

RECOMMENDATIONS

Dr. Muhammad Sharif Associate Professor

I have known Mr. Muhamad Rashid since 2017 as a graduate student in Computer Science. I taught him three courses in graduate related to Digital Image Processing. He performed very well in these courses. As a graduate student, he is curious about different algorithms. We also had many interactive sessions for three semesters.

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Link <https://github.com/rashidrao-pk/Recommendations>