

# Kazim Ali

**Date of birth:** 23/04/1983 | **Nationality:** Pakistani | **Gender:** Male | **Phone number:** (+92) 3008573765 (Mobile) |  
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## ● ABOUT ME

Experienced Computer Science professional with over 15 years of teaching experience in the Government Education Department of Punjab, Pakistan. Expertise in Computer Science courses, Machine Learning, Deep Learning, Computer Vision, and Natural Language Processing. Proven track record of research and development, alongside extensive experience in managing educational systems and computer labs. Passionate about advancing technological education and contributing to cutting-edge research.

## ● WORK EXPERIENCE

07/07/2009 – CURRENT Hafizabad, Punjab, Pakistan  
**COMPUTER SCIENCE PROFESSIONAL** PUNJAB SCHOOL EDUCATION DEPARTMENT

**Computer Science Professional**  
*Punjab Education Department, Hafizabad, Punjab, Pakistan*  
July 2009 – Present

- Over 15 years of experience teaching Computer Science to high school students.
- Developed and delivered curriculum content in various areas of Computer Science.
- Managed the student information system and served in charge of the computer lab.
- Conducted research and development projects in Machine Learning, Deep Learning, and Computer Vision.
- Mentored students in practical computer science applications and experimental setups.

**Software Instructor**  
*Punjab Vocational Institution, Sukheke Mandi, Hafizabad, Pakistan*  
July 2008 – July 2009

- Taught software development courses with a focus on practical skills.
- Guided students in project-based learning and real-world software applications.

## ● EDUCATION AND TRAINING

06/03/2017 – 02/02/2023 Lahore, Pakistan  
**PHD IN COMPUTER SCIENCE** University of Central Punjab Lahore

**Website** <https://www.ucp.edu.pk>

26/09/2011 – 29/04/2014 Lahore  
**MS CMPUTER SCIENCE** Lahore Leads University

**Website** <https://leads.edu.pk>

15/10/2003 – 02/12/2005 Lahore, Pakistan  
**M.SC IN COMPUTER SCIENCE** Government College University Lahore

**Website** <https://gcu.edu.pk/>

08/01/2001 – 27/08/2023 Lahore, Pakistan  
**B.SC** Univeristy of the Punjab

**Website** <http://www.pu.edu.pk/>

01/04/1999 – 27/08/2021 Hafizabad  
**F.SC** The Board of Intermediate and Secondary Education, Gujranwala

**Website** <https://www.bisegrw.edu.pk/>

Website <https://www.bisegrw.edu.pk/>

## ● RESEARCH THESIS/PROJECT

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20/10/2020 – 28/02/2022

**PhD Thesis by Kazim Ali titled "Improving Robustness of Convolutional Neural Network against Adversarial Attacks in Computer Vision"**

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## ● PUBLICATIONS

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2024

**Enhanced Road Safety through Real-Time Crack Detection Using Advanced YOLO Algorithms**

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Under Review

Kazim Ali, Muhammad Shahid Bhatti, Samina Akram, Mohammed A. Al Ghamdi, and Sultan H. Almotiri

2024

**Efficient Hybrid Encoder-Based Deep Learning Framework for Early Detection of Dementia from Alzheimer's Data Collection**

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Under Review

Kazim Ali, Muhammad Shahid Bhatti, Mohammed A. Al Ghamdi, Sultan H. Almotiri and Samina Akram

2024

**[Adversarial Robustness of Vision Transformers VS Convolutional Neural Networks](#)**

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Kazim Ali; Muhammad Shahid Bhatti; Atif Saeed; Atifa Athar; Mohammed A. Al Ghamdi

2023

**[De-Noising Brain MRI Images by Mixing Concatenation and Residual Learning \(MCR\)](#)**

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Kazim Ali, Adnan N. Qureshi, Muhammad Shahid Bhatti, Abid Sohail, Muhammad Hijji and Atif Saeed

2022

**[Defending Adversarial Examples by a Clipped Residual U-Net Model](#)**

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Kazim Ali, Adnan N. Qureshi, Muhammad Shahid Bhatti, Abid Sohail, Muhammad Hijji and Atif Saeed

2021

**[Deep Image Restoration Model: A Defense Method Against Adversarial Attacks](#)**

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Kazim Ali<sup>1</sup>, Adnan N. Qureshi, Ahmad Alauddin Bin Arifin, Muhammad Shahid Bhatti, and Abid Sohail

2021

**[Restoration of Adversarial Examples Using Image Arithmetic Operations](#)**

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Kazim Ali and Adnan N. Quershi

2017

**[A Study of Software Development Life Cycle Process Models](#)**

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Kazim Ali

2017

**[A Comparative Study of Well Known Sorting Algorithms](#)**

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Kazim Ali

## ● PROGRAMMING SKILLS

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CURRENT

**Python, C, C++, Matlab, PHP, Javascript, TensorFlow, Keras, Pytorch, scikit-learn, scipy, numpy, OpenCV, NLTK, Matplotlib, Geo-Gebra**

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## ● ONLINE TEACHING EXPERIENCE

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CURRENT

**Python Programming Language Course From Scratch With Real World Examples by Kazim Ali available online at: [https://www.youtube.com/playlist?list=PL2VsR2Z8jtTWaXg6C4ejWRj\\_XQDdVJna-](https://www.youtube.com/playlist?list=PL2VsR2Z8jtTWaXg6C4ejWRj_XQDdVJna-).**

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CURRENT

**Master Computer Vision in OpenCV With Python by Kazim Ali Online Course at <https://www.youtube.com/playlist?list=PL2VsR2Z8jtTUv-80qQ9VoqiKqgDOr7Ojr>.**

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CURRENT

**Natural Language Processing with Python by Kazim Ali Online Course at [https://www.youtube.com/playlist?list=PL2VsR2Z8jtTVsSd\\_jYrkRvYRfFpPvDEPj](https://www.youtube.com/playlist?list=PL2VsR2Z8jtTVsSd_jYrkRvYRfFpPvDEPj).**

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CURRENT

**Computer Vision with Deep Learning (Tensorflow, Pytorch, OpenCV) by Kazim Ali Online Course at <https://www.youtube.com/playlist?list=PL2VsR2Z8jtTXLdiQJKbQTd0cvA6ctyT-H>.**

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**Machine Learning Crash Course (Supervised and Unsupervised) in Urdu/Hindi**

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<https://www.youtube.com/playlist?list=PL2VsR2Z8jtTUqnJ6lqfbHvZJx4zwhEcy3>

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## ● MACHINE LEARNING AND DEEP LEARNING CERTIFICATIONS

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CURRENT

**Machine Learning A-Z- Hands-On with Python & R In Data Science from Udemy.**

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CURRENT

**Deep Learning A-Z- Hands-On with Python (Keras and Tensorflow) from Udemy.**

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CURRENT

**Master Computer vision in Python OpenCV3 and Machine Learning from Udemy.**

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CURRENT

**Deep Learning and Computer Vision A-Z: OpenCV, SSD, and GANs from Udemy (Keras and Tensorflow).**

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CURRENT

**Deep Learning: Convolutional Neural Networks with Python ((Keras and Tensorflow)) from Udemy.**

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CURRENT

**Modern Generative Adversarial Networks in Python (Keras and Tensorflow) online course from Udemy.**

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CURRENT

**Database Administrator from Punjab University College of Information Technology.**

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## ● LANGUAGE SKILLS

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Mother tongue(s): **URDU**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user