Zubair
Khan

Date of birth: 14/08/1992

Nationality: Pakistani

Gender: Male

CONTACT

📍 Chashma Barrage Colony
42030 Mianwali, Pakistan
(Home)

✉️ engr.zubairkhan13@gmail.com

📞 (+92) 3116558078

🌐 https://scholar.google.com/citations?user=GzPDyT8AAAAJ&hl=en

🌐 https://stackoverflow.com/users/9110143/khan

🌐 https://github.com/Laowai01

🌐 https://www.researchgate.net/profile/Zubair-Khan-29

in https://www.linkedin.com/in/zubair-khan-357b2b56/

💬 +92-3220857684 **(Whatsapp)**

ABOUT ME

I am a hardworking, out of the box thinker, curious, self-motivated and eager to learn and explore type person.

WORK EXPERIENCE

26/08/2021 – 25/08/2022 – Haripur, Pakistan

Reseach Assistant

Sino-Pak center for Artificial intelligence (PAF-IAST)

The development of a real-time human anomalous action recognition and deployment on Jetson Nano edge device.

EDUCATION AND TRAINING

01/09/2017 – 20/10/2022 – Shanghai, China

PhD. Control Science and Engineering

Shanghai Jiaotong university

1. Clustering
2. Feature engineering
3. Feature learning
4. Bottom-Up image segmentation

Address Shanghai, China | **Field of study** Software and applications development and analysis | **Thesis** Unsupervised image segmentation using Classical and Contemporary deep learning approaches

01/09/2014 – 01/07/2017 – Changzhou, China

MSc. Information and Communicaion Engineering

Hohai University

Address Changzhou, China

01/09/2008 – 30/12/2012 – Bahawalpur, Pakistan

BSc. Telecommunication Engineering

The Islamia University of Bahawalpur

Address Bahawalpur, Pakistan

LANGUAGE SKILLS

MOTHER TONGUE(S): Urdu

OTHER LANGUAGE(S):

English

Listening	Reading	Spoken production	Spoken interaction	Writing
C2	C2	C2	C2	C2

Chinese

Listening	Reading	Spoken production	Spoken interaction	Writing
B2	C1	B2	C1	C1

DIGITAL SKILLS

My Digital Skills

Machine Learning / Deep Learning / Computer Vision / Python / MATLAB (Programming) / AI platform: Pytorch, Tensorflow etc. / Latex: advanced user / OS: ubuntu, Windows / Artificial Intelligence / High performance computing (HPC) / Video Surveillance

PUBLICATIONS

Bottom-up Unsupervised Image Segmentation using FC-Dense u-net based Deep Representation Clustering and Multidimensional Feature Fusion based Region Merging

2021 https://www.sciencedirect.com/science/article/pii/S0262885620300032
Image and Vision Computing, Elsevier (SCI)

Image segmentation via multi-dimensional color transform and consensus based region merging

2019 https://link.springer.com/article/10.1007/s11042-019-07906-5
Multimedia Tools and Applications, Springer (SCI)

Clusteryng approach for adaptive unsupervised colour image segmentation

2020 https://digital-library.theiet.org/content/journals/10.1049/iet-ipr.2018.5976
IET image processing (SCI)

An Improved K-means Clustering Algorithm for Image Segmentation

2017 http://www.ijicic.org/ijicic-130506.pdf
IJICIC (EI)

Automatic Detection and Counting of Circular Shaped Overlapped Objects Using Circular Hough Transform and Contour Detection

2016 https://ieeexplore.ieee.org/document/7578268
WCICA'16 (EI)

Feature Fusion Based Deep Spatiotemporal Model for Violence Detection in Videos

2019 https://link.springer.com/chapter/10.1007/978-3-030-36708-4_33
ICONIP'19 (EI)

A Deep Unsupervised Convolutional Network for Multi-focus Image Fusion

2019 https://link.springer.com/chapter/10.1007/978-3-030-20912-4_15
ICAISC'19 (EI)

RECOMMENDATIONS

Prof. Jie Yang
PHD Supervisor

Professor jie yang has been my PHD supervisor.
Email jieyang@sjtu.edu.cn

Dr. Haroon Yousaf
Principal Investigator

I worked under his supervision in the human anomaly recognition project.

Email haroon.yousaf@uettaxila.edu.pk

PROJECTS

26/08/2021 – 25/08/2022

Spatio-temporal learning based efficient human anamoly activity understanding

https://github.com/Laowai01/Human-anomaly-recognition

Development of deep model for real-time inference of human actions/violence and model deployment on Jetson Nano.

HONOURS AND AWARDS

04/01/2016

Innovative Student Award – Hohai Univeristy

I achieved this prestigious award due to my excellent academic performance.

HOBBIES AND INTERESTS

Sports

I love playing badminton, table tennis, and swimming.

CERTIFICATES

Artificial Intelligence Foundations: Machine Learning

LinkedIn

https://www.linkedin.com/learning/certificates/17f5f1ec0a84a546f20899c17af88e4613a8f2930255a5dd07f20bd7fd92645d?trk=share_certificate

01/02/2022 – 03/03/2022

Machine Learning

Coursera

https://www.coursera.org/account/accomplishments/certificate/7FQ2F2CFDN4M

Image and Video Processing: From Mars to Hollywood with a Stop at the Hospital

Coursera

https://www.coursera.org/account/accomplishments/certificate/3D22ZD3WX2M6

Natural Language Processing

Coursera

https://www.coursera.org/account/accomplishments/certificate/7FJUE83CWYGB