Zuhaib Ahmed Shaikh

Ghent, Belgium

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Education

Doctor of Philosophy – Image processing and Interpretation	Ghent University, Belgium In progress
Master of Engineering – Computer Systems Engineering	Quaid-e-awam University, Pakistan 2015
Bachelor of Engineering – Computer Systems Engineering	Quaid-e-awam University, Pakistan 2007
Experience	
Ghent University	Ghent, Belgium
EARLY-STAGE RESEARCHER – IMAGE PROCESSING AND INTERPRETATION GROUP	Sep. 2018 - Present
 Applied techniques in machine learning, image processing and transfer learning to Supervision of research and engineering projects for master programs in the field o Conducted a few labs for master and bachelor courses 	a chieve high-performance of Computer Vision
Quaid-e-awam University	Nawabshah, Pakistan
Assistant Professor – Computer Systems Engineering Department	Jan. 2016 - Sep. 2018
 Supervision of research and engineering projects for master and bachelor program Conducted lectures of several bachelor courses 	s – Computer Systems Engineering
Quaid-e-awam University	Nawabshah, Pakistan
Lecturer – Computer Systems Engineering Department	Jan. 2008 - Jan. 2016
 Supervision of engineering projects for bachelor programs – Computer Systems Eng Conducted lectures of several bachelor courses 	gineering
eWorld ISP	Karachi, Pakistan
TECHNICAL SUPPORT EXECUTIVE – NETWORK OPERATIONS	Nov. 2007 - Jan. 2008
Technical support towards clients	
 Network troubleshooting and maintenance 	

Skills _____

Scientific expertise	Computer Vision – Image Processing – Machine Learning
Languages	Python (6+ years), C/C++ (10+ years), MATLAB (7+ years)
Computer Vision	OpenCV, TensorFlow, Keras, Pytorch, Scikit-learn, Scipy, dlib and Tessract OCR
SoC boards	Arduino, Raspberry pi and PYNQ-Z
Web development	PHP, HTML, CSS, Javascript and SQL
Software	MIT app developer, VM-ware, Proteus, SQL server, MySQL, Git, Latex
Platforms	Linux and Microsoft Windows

Selected Publications

Probabilistic model for sensor fusion and data association in pedestrian tracking, IEEE Sensors Journal, 2023. 1.

(Under-review)

- 2. Probabilistic fusion for pedestrian detection from thermal and color images, MDPI Sensors, vol. 22, no. 22, 2022.
- 3. "Automatic annotation of pedestrians in thermal images using background/foreground segmentation for training deep neural networks", IEEE Symposium Series on Computational Intelligence, Australia, 2020.
- 4. "A Hybrid Technique for Copy-Move Forgery Detection", 3rd International Conference on Computer and Communication Systems, Japan, 2018.
- 5. "Machine Learning Based Number Plate Detection and Recognition", International Conference on Pattern Recognition Applications and Methods, Italy, 2016.