Gagan Kanojia
Ph.D. Student, IIT Gandhinagar

CONTACT INFORMATION

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Gandhinagar, Gujarat, 382355

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EDUCATION

Indian Institute of Technology Gandhinagar May 2015 - Present
Ph.D. Student in Electrical Engineering
Supervisor: Prof. Shanmuganathan Raman
CPI : 9.39/10

Indian Institute of Technology Gandhinagar 2014
B.Tech. in Electrical Engineering with Minor in Computer Science
CPI : 7.72/ 10

Kendriya Vidyalaya No.4, Gwalior (M.P.) 2009
High School Certificate (CBSE) 85.4%

Khushal Vidya Peeth, Gwalior (M.P.) 2007
Secondary School Certificate (CBSE) 85%

RESEARCH INTERESTS

Computer Vision, Deep Learning, and Computational Photography

WORK EXPERIENCE

eClerx Services Limited May 2014 - May 2015
Worked as a Senior Software Engineer

AWARDS

TCS Research Scholarship July 2016 - Present

The Spot Award September 2014
Awarded for demonstrating excellence in the assigned tasks at eClerx Services Ltd.

PUBLICATIONS

Gagan Kanojia, and Shanmuganathan Raman. "Learning to Sort Image Sequences via Accumulated Temporal Differences." [Under review in Winter Conference on Applications of Computer Vision 2020]

Gagan Kanojia, and Shanmuganathan Raman. "MIC-GAN: Multi-view assisted Image Completion using Conditional Generative Adversarial Networks." [Under review in Signal Processing Letters]

Gagan Kanojia, and Shanmuganathan Raman. "Simultaneous Detection and Removal of Dynamic Objects in Multi-view Images." In Winter Conference on Applications of Computer Vision (WACV), 2020

Gagan Kanojia, Sudhakar Kumawat, and Shanmuganathan Raman. "Exploring Temporal Differences in 3D Convolutional Neural Networks." In National Conference on Computer Vision, Pattern Recognition, Image Processing and Graphics (NCVPRIPG), 2019

Gagan Kanojia, Sudhakar Kumawat, and Shanmuganathan Raman. "Attentive spatio-temporal representation learning for diving classification." In IEEE Conference on Computer Vision and Pattern Recognition Workshops, 2019.

Gagan Kanojia, and Shanmuganathan Raman. "DeepImSeq: Deep image sequencing for unsynchronized cameras." In Pattern Recognition Letters 117 (2019): 9-15.

Gagan Kanojia, and Shanmuganathan Raman. "Patch-based detection of dynamic objects in CrowdCam images." In The Visual Computer 35.4 (2019): 521-534.

Gagan Kanojia, and Shanmuganathan Raman. "Postcapture focusing using regression forest." In IEEE Signal Processing Letters 24.6 (2017): 751-755.

Gagan Kanojia, Sri Raghu Malireddi, Sai Chowdary Gullapally, and Shanmuganathan Raman. "Who Shot the Picture and When?." In International Symposium on Visual Computing, pp. 438-447. Springer, Cham, 2014.

Gagan Kanojia, and Shanmuganathan Raman. "FacialStereo: Facial depth estimation from a stereo pair." In Computer Vision Theory and Applications (VISAPP), 2014 International Conference on, vol. 3, pp. 686-691. IEEE, 2014.

Technical Skills

Programming Languages: C, Python, MATLAB
Libraries and Scripts: PyTorch, OpenCV, Numpy
APIs: OpenMP

Relevant CourseWork in Ph.d.

Mathematical Foundations for Computer Vision		Computational Photography
Randomized and Approximate Algorithms		Data Mining
Artificial Neural Networks		Machine Learning
Algorthims on Advanced Architectures		Topics in Real Analysis

Relevant CourseWork in B.Tech.

3D Computer Vision	Digital Image Processing	Digital Signal Processing
VLSI design	Discrete Mathmetics	Artificial Intelligence
Intro. to Data Science	Data Structures	Algorithms