Sharif Amit Kamran

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EDUCATION	PhD. in Computer Science and Engineering	CGPA : 3.5 / 4.0
	University of Nevada, Reno	Aug 2019 – Presen
	Bsc. in Computer Science and Engineering	CGPA : 3.45 / 4.0
	BRAC University, Bangladesh	Jan 2013 – Apr 2017
WORK EXPERIENCE	Graduate Research Assistant , University of Nevada, Reno Department of Computer Science and UNR school of Medicine	Aug 2019 – Present
	Co-Founder , Bengali.AI <i>Dhaka, Bangladesh</i>	Apr 2018 – Present
	Mentor , Research & Engineering Apprenticeship Program (REAP) US Army Educational Outreach Program	Jun 2020 – Aug 2020
	Researcher , Center for Cognitive Skill Enhancement <i>Independent University Bangladesh (IUB), Dhaka, Bangladesh.</i>	May 2017 – Jun 2019
PROJECTS	Retinal Image Synthesis using Generative Adversarial Networks Implemented an attention-based generative adversarial networks for synthesizing Fluroscien Angiography from Retinal Fundus Photography.	
	 Improving Robustness of OCT images using Joint Attention Networks Implemented a supervised-unsupervised joint attention network for improving robustness of Retinal disease detection from Optical Coherence Tomography images. 	
	 Calcium ST-Maps Generation, Denoising and Segmentation using GAN ■ Created a pipeline for Ca2+ spatio-temporal map generation, denoising and segmentation using deep learning. 	
	Semantic Segmentation using Fully Convolutional Neural Networks (FCN) Implemented a FCN using dilated convolution and multi-scale skip connections for semantic segmentation.	
ACADEMIC SERVICES	Reviewer ■ BMVC-2020, WACV-2020, ICRA-2019, Sensors, IJAIT	2019 – Present
	Graduate Teaching Assistant ■ CS491/CS691 Deep Learning	Jan 2020 – May 2020
SELECTED PUBLICATIONS	[1] Improving Robustness using Joint Attention Network For Detecting Retinal Degeneration From Optical Coherence Tomography Images in 27th IEEE International Conference on Image Processing 2020 (ICIP).	
	[2] A High Throughput Machine-Learning Driven Analysis of Ca 2+ Cell Calcium, 91, p.102260	Spatio-temporal Maps, 2020, in
	[3] Optic-Net: A Novel Convolutional Neural Network for Diagnosis of Retinal Diseases from Optical Tomography Images in 18th IEEE International Conference On Machine Learning And Applications 2019 (ICMLA).	
	** For full list of publications: (Link)	
	Deep Learning, Machine Learning, Computer Vision, Computer Vision in Medicine, Ophthalmic Visua. Computing, Applied Computer Vision	
SELECTED COURSEWORK		Medicine, Ophthalmic Visual
		Aug 2019 – May 2020

SKILLS

- **Programming Languages:** C++, Python, Java, Bash (Shell Scripting), Matlab, HTML-CSS, Git, PHP
- Libraries: OpenCV, Scikit-learn, Numpy, Caffe, Keras, Tensorflow, PyTorch, CoreML, ImageJ.
- **Systems:** Linux OS, Google Cloud Platform (Compute Engine & App Engine)