Sharif Amit Kamran

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| EDUCATION | PhD. in Computer Science and Engineering | CGPA : 3.5 / 4.0 |
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| | 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 |
| SELECTED COURSEWORK | Deep Learning, Machine Learning, Computer Vision, Computer Vision in Medicine, Ophthalmic Visual Computing, Applied Computer Vision | |
| 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 |
| | Researcher , Center for Cognitive Skill Enhancement <i>Independent University Bangladesh (IUB)</i> , <i>Dhaka</i> , <i>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. | |
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| ACADEMIC | Implemented a FCN using dilated convolution and multi-scale skip connecti Student Organizer | |
| ACADEMIC SERVICES | ■ Implemented a FCN using dilated convolution and multi-scale skip connecti | ons for semantic segmentation. |
| | Implemented a FCN using dilated convolution and multi-scale skip connecti Student Organizer 14th International Symposium on Visual Computing (ISVC) 2019 Graduate Teaching Assistant | ons for semantic segmentation. Oct 2019 |
| | Implemented a FCN using dilated convolution and multi-scale skip connecti Student Organizer 14th International Symposium on Visual Computing (ISVC) 2019 Graduate Teaching Assistant CS491/CS691 Deep Learning Mentor | Ons for semantic segmentation. Oct 2019 Jan 2020 – May 2020 Jun 2020 – Aug 2020 g Architectures for Diagnosis |
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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)