





SAIMUNUR R.


CVPR/ML Professional

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 saimunur.github.io

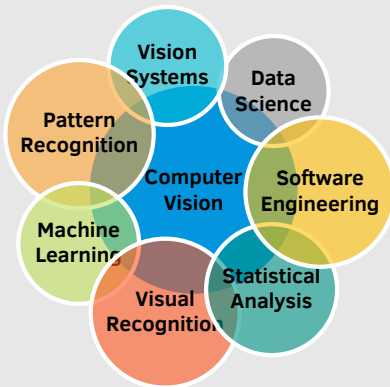
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 saimunur

Skills

Overview



Programming

0 LOC —————> 5000 LOC

MatLab • Octave • Python

C • C++ • Java • SQL • L^AT_EX

HTML • CSS • PHP Frameworks

Key Projects

Where is the Defect? - A machine learning driven generic machine vision cosmetic defect detection system

ActivityBenchmark - Benchmarking for activity recognition in low quality videos

AQuaS - Human activity recognition in adverse quality surveillance videos

Are you OKAY? - A vision based sentiment analyzer for workplace productivity

WBICMS - Web-based intelligent conference management and fast plagiarism detection system

Education

2014 - 2016 **M.Res, Computer Vision & Machine Learning** Multimedia University, MY

2009 - 2013 **B.Sc, Computer Science & Engineering** Int'l Islamic Univ. Chittagong, BD

Research Experience

Aug. 2016 - **R&D Engineer (Machine Learning & AI)** Vitrox Corporation Berhad, MY
Present **Research:** AI Algorithms and Frameworks for Machine Vision

May. 2016 - **Researcher** Multimedia University, MY
Jul. 2016 **Research:** Activity Recognition Benchmark for Low Quality Videos

Nov. 2014 - **Graduate Research Assistant** Multimedia University, MY
Apr. 2016 **Research:** Human Activity Recognition in Low Quality Videos

Published Publications

Saimunur Rahman, John See, and Chiung Ching Ho. "Action recognition in low quality videos by jointly using shape, motion and texture features." In *2015 IEEE International Conference on Signal and Image Processing Applications (ICSIPA)*, pp. 83-88. IEEE, 2015.

John See and Saimunur Rahman. "On the effects of low video quality in human action recognition." In *2015 International Conference on Digital Image Computing: Techniques and Applications (DICTA)*, pp. 1-8. IEEE, 2015.

Saimunur Rahman, John See, and Chiung Ching Ho. "Leveraging textural features for recognizing actions in low quality videos." In *9th International Conference on Robotic, Vision, Signal Processing and Power Applications: Empowering Research and Innovation (ROVISP)*, pp. 237-245. Springer, 2016.

Saimunur Rahman and John See. "Spatio-temporal mid-level feature bank for action recognition in low quality video." In *2016 IEEE International Conference on Acoustics, Speech and Signal Processing (ICASSP)*, pp. 1846-1850. IEEE, 2016.

Saimunur Rahman, John See, and Chiung Ching Ho, "Deep CNN Object Features for Improved Action Recognition in Low Quality Videos." In *International Conference on Computational Science and Technology (ICCST 2016)* (To appear in Adv. Sci. Lett.).

Other Experience

May. 2015 - **Teaching Assistant** Multimedia University, MY
Apr. 2016 **Responsibilities:** Invigilation duties, Tutoring

Mar. 2014 - **Senior Engineer (R&D-Software)** FS Systems, BD
Oct. 2014 **Responsibilities:** S/W R&D team lead, IT course coordination

Mar. 2014 - **Lecturer (Info. Tech.)** Int'l Islamic Univ. Chittagong, BD
Sep. 2014 **Responsibilities:** Lecture, Examination paper evaluation, Invigilation

Dec. 2012 - **Engineer (R&D-Software)** FS Systems, BD
Feb. 2014 **Responsibilities:** S/W development, Trainer, Customer support