MANASI MUGLIKAR

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EDUCATION

Carnegie Mellon University *Jan 2017 - Present*
Master of Science in Electrical and Computer Engineering

Birla Institute of Technology and Science, Pilani *August 2012 - July 2016*
Bachelor of Engineering in Electrical and Electronics GPA: 3.93/ 4.00

TECHNICAL STRENGTHS

Computer Languages	Python, C++, MATLAB
Software & Tools	Torch, Caffe, Tensorflow OpenCV, OpenGL, LabView, Verilog,
Design Tools	LTSpice, Hspice, OrCAD, AutoCAD, Solidworks, LATEX

EXPERIENCE

Carnegie Mellon University January 2017 - May 2017
Graduate Course Projects

- Vision based eye-gaze tracking
- Learning to map environments from raw images.
- Using environment maps to render realistic animation eyes
- Near-Infrared Spectroscopy (NIRS)

Nexustec GmbH January 2016 - May 2016
Research Intern *Mr. Sourabh Bodas*

- Developed a Camera and Hardware system for Embedded Machine Vision Application.

Pupil Labs May 2015 - August 2015
Intern *Mr.Moritz Kassner*

- Contributed to open source eye tracking platform by speeding up the algorithm.

Srujana Innovation Center Dec 2014 - March 2015
Research Intern *Mr.Dhruv Joshi*

- Designed prototypes in collaboration with pediatricians from LV Prasad Eye Institute for diagnosis of medical conditions.

BITS Pilani August 2012 - December 2014
Undergraduate Research

- Used Higher Angular Resolution Diffusion Imaging (HARDI) to identify the accuracy of fiber tracts that can be reconstructed while adopting the clinical Diffusion Imaging.

RESEARCH INTERESTS

Computer Vision, Machine Learning, Deep Learning, Artificial Intelligence

RELEVANT COURSES

Computer Vision
Introduction to Data Analysis for Clinical Neural Data
Visual Learning and Recognition
Physics Based Methods in Vision

JOURNAL PUBLICATIONS

- S.K.Sahoo, A.Gangishetty , R.Sahoo , **M.Muglikar**, "High Performance Ternary Adder using CNTFET" *IEEE* Transaction on Nanotechnology. 09–01,2017