Sriharsha Annamaneni

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Education

Florida Institute of Technology, Melbourne, FL   Apr 2017
Master of Science in Electrical Engineering,   CGPA 3.7

Relevant Coursework

Theory of stochastic signals, Speech Recognition, Computer vision, Linear Optimization, Digital Image Processing, Digital Signal Processing, IC Comp Aided analysis, Nonlinear Optimization, Linear Systems, Digital Communication

Independent Coursework

Visual Perception and the Brain, Robotics: Aerial Robotics, Robotics: Computational Motion Planning, Synapses Neurons and Brains, Image and video Processing, Control of Mobile Robotics, Self-Driving Car Nanotechnology and Nanosensors, Computational Neuroscience, Digital Signal Processing, The Brain and Space

Skills

> **Proficiency**: MATLAB, C++, C, Python, OpenCV **Fluency**: pspice, Julia, TensorFlow, Keras

Projects

> **Finding Lane Lines**
> - Developing a Computer Vision Pipeline for detecting Lane lines using Python and OpenCV

> **German Traffic Sign Classifier**
> - Built a Deep Convolutional Neural Network for classifying the Traffic Sign Dataset using Tensorflow

Experience

> **Bhabha Atomic Research Centre, Bombay, India**   Jan 2014-May 2014
> Research Intern
> - Developed three stage compression algorithm for Instrumented Pipeline Inspection Gauge for Oil and Gas Pipelines inspection using MATLAB

> **Satish Dhawan Space Research Centre, Andhra Pradesh, India**   June 2013
> Research Intern
> - Created case Study of S Band TTC and communication systems of Indian Space Research organization Telemetry Tracking and command centre network

> **Parikshit Student Satellite team, Manipal, India**   Feb 2012-Dec 2013
> - Head for communication and ground station of student satellite team
> - Designed Ground station and onboard satellite communication system
> - Communicated and collaborated with various subsystems for designing satellite
> - Signed Memorandum of Understanding with Indian Space Research Organization for Launching satellite.

> **Vector Training Institute, Hyderabad, India**   June 2011- July 2011
> - Designed Unique ID card design for Personal Data Transactions using smartcard Technology which works as pan card, Voter ID, ATM card

Publications

> Co-authored paper "Development of Antenna Deployment Circuit for Nanosatellites" IEEE conference on circuit theory and design Sept 2013, Dresden, Germany