Sriharsha Annamaneni

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Education

Florida Institute of Technology, Melbourne, FL Dec 2016
Master of Science in Electrical Engineering, GPA 3.8

Manipal Institute of Technology, Manipal, India Apr 2014
Bachelor of Engineering in Electrical Engineering, GPA 6.94/10

ST.Patricks Junior college, India Apr 2010
Intermediate in M.P.C. Percentage 87.5

Skills

MS Office, MATLAB, C, C++, PSPICE, Python, OpenCV, Julia

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

Honors and Awards

- Gold and Bronze medal in chess inter university competition conducted by Manipal Institute of Technology
- Selected for UDACITY Self-Driving Car Engineer Nanodegree Program.

Co-curricular Activities

- Technical Committee member of IE-E&C, Manipal Institute of Technology
- Designed code for Micromouse using Embedded C in Winter training program of Think Labs

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Courses

ECE 5256, Digital Image Processing
ORP 5001, Introduction to Optimization
ECE 5201, Linear Systems
ECE 5245, Digital Signal processing
ECE 5223, Digital Communication
MTH 5425, Theory of Stochastic Signals
ECE 5526, Speech Recognition
CSE 5683, Computer Vision
ECE 5331, IC Comp aided analysis
ECE 5270, Introduction to nonlinear optimization

Online Courses

Visual Perception and the Brain, DUKE University
Robotics: Aerial Robotics, University of Pennsylvania
Robotics: Computational Motion Planning, University of Pennsylvania
Synapses, Neurons and Brains, Hebrew University of Jerusalem
Computational Neuroscience, University of Washington
Nanotechnology and Nanosensors, Technion-Israel Institute of Technology
Image and video Processing, Duke University
Control of Mobile Robotics, Georgia Institute of Technology
Digital Signal Processing, Ecole Polytechnique Federale de Lausanne
The Brain and Space, Duke University