

## Sriharsha Annamaneni

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CONTACT	✉ sriharsha0806@gmail.com    ☎ +91 798 178 7689    🌐 sriharshavenugopal.github.io		
EDUCATION	<b>Florida Institute of Technology, Melbourne, FL</b>	GPA: 3.7/4.0	
	<i>Master of Science, Electrical Engineering</i>	2016	
	<b>Manipal Institute of Technology, Manipal, India</b>	GPA: 6.9/10	
	<i>Bachelor of Engineering, Electronics and Communication Engineering,</i>	2014	
INDUSTRIAL EXPERIENCE	<b>Research Engineer, Sirena Technologies, Bangalore</b>	Nov 2019 - Present	
	<ul style="list-style-type: none"><li>• Wake up word detection, Built an offline trigger word detector using Time Delay Neural Networks</li><li>• Face Recognition, Built Deep Neural Network for recognizing facial images captured by a camera, compared it with the images in the database and retrieve information of the detected person.</li><li>• Automatic Speech Recognition, Building a Robust ASR model for Indian English using existing ASR architecture Deepspeech2</li></ul>		
RESEARCH EXPERIENCE	<b>Research Fellow, IIIT Hyderabad</b>	Nov 2017 - May 2019	
	With Prof. C.V. Jawahar and Dr. Girish Varma <ul style="list-style-type: none"><li>• Deep Learning, specifically Model Compression techniques and Semantic Segmentation for Autonomous Navigation on Indian Roads</li><li>• Road Audit system design, retrieving the location of defects of the road not only due to regular wear and tear but also because of extreme events like storms over a period of time using video and GPS data</li></ul>		
	<b>Undergraduate Thesis, BARC, India</b>	Jan 2014 - Jun 2014	
	with Dr. Siddhartha Mukhopadhyay and Dr. Debmalaya Mukherjee <ul style="list-style-type: none"><li>• Compression of Magnetic Flux Leakage Signals Data Collected by Instrumented Pipeline Inspection Gauge.</li><li>• The algorithm involves Principal Component Analysis and Wavelets</li></ul>		
PUBLICATIONS	[1] Efficient Semantic Segmentation using Gradual Grouping Nikitha Vallurapalli*, <b>Sriharsha Annamaneni*</b> , Girish Varma*, CV Jawahar*, Manu Mathew, Soyeb Nagori , eprint arXiv:1806.08522 <b>CVPR Workshop, 2018(oral), Best Runner-up Award</b>		
	[2] Development of antenna deployment circuit for nano-satellites Pramath Keny*, Arya Menon*, Madhura Rao*, Urvang Gaitonde*, Animesh Gupta*, <b>Annamaneni Sriharsha*</b> European Conference on Circuit Theory and Design (ECCTD), 2013		
EXPERIENCE	<b>Head of Communication and Ground Station subsystem</b>	Parikshit Student Satellite Team	
	Feb 2012 - Dec 2013	Manipal	
	<ul style="list-style-type: none"><li>• Programmed cc1101 and ADF7021-N Transceivers using MSP430 microcontroller will be used for onboard satellite communication</li></ul>		
COMPUTER SKILLS	<b>Tools:</b> MATLAB, Python, Pytorch, TensorFlow, Keras, LaTeX, OpenCV, Sci-Kit Learn, Django, PostgreSQL, Jupyter Notebook, numba, aws rekognition, spacy, Pomegranate, Pytorchlightning, Spark <b>Applications:</b> Vi/Vim, Git, Slurm		