

S.S.N Vishnu Siva Sai

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EDUCATION	INDIAN INSTITUTE OF TECHNOLOGY, HYDERABAD, <i>Bachelor Degree, Electrical Engineering Department, Currently</i> CGPA: 8.45	
	SRI CHAITANYA NARAYANA COLLEGE, <i>XI and XII,Intermediate , 2016</i> Percentage: 96.5	
	NARAYANA OLYMPIAD SCHOOL,KUKATPALLY <i>X, AP SSC, 2014</i> Percentage: 97	
INTERNSHIPS	Texas A and M University Research Internship:- Worked Under the supervision of Dr.Yang Shen on interaction between compounds and proteins using deep learning.	
TECHNICAL SKILLS	Languages: Python,C++,C. Design Software: Solid edge. Software as tool: MATLAB,Simulink,GNU Octave,Scikit learn,NumPy. Others: Arduino,LaTeX,Linux.	
KEY COURSEWORK	Intro to AI and ML Iot Data structures Information theory Advanced digital signal processing Convex Optimization Kernel methods ML applications on wireless	Data Analytics embedded systems control systems Advanced Digital communications Linear programming Deep learning Concentration inequalities Sequence modelling
PROJECTS	Object detection in thermal images: Working with Dr.Sumohana on increasing accuracy over state of the art models for object detection in thermal images using deep learning algorithms. RNN based model to predict the uptrends and downtrends of stock prices: 1.Used a stock price dataset with 6 years(2011-2017) data as training set and 2018 january's data as test set 2.Used 5 LSTM layers and 90 timesteps to predict the trend on each day in test data. Classifying MNIST data using CNN's: CNN from scratch for classifying digits of MNIST data without using tensorflow in python. Using Deep learning for channel decoding: Currently working on the idea of using deep neural networks for one-shot decoding of random and structured codes as a course project in ML applications on wireless communications course. Key Tracker: Designed a chatbot using LPC mbed 1768, used bluetooth module for tracking the object.	

INTERESTS	Machine learning and Artificial intelligence Computer programming Signal processing and Communication networks
ACADEMIC ACHIEVEMENTS	KVPY(kishore vaigyanik protsahan yojna) scholar,attended vijyoshi camp held at IISc Bangalore NTSE(National Talent Search Examination) scholarship Awardee Secured All India Rank of 1454 (TOP 1 percent) in JEE Advanced 2016 Secured All India Rank of 2524(TOP 0.2 percent) in JEE Mains 2016 Secured state rank of 72 in Telangana EAMCET(2016) Cleared First Round of JSO(Junior Science Olympiad) in 9th standard
POSITIONS OF RESPONSIBILITY	Teaching assistant: TA for the course Internet of things (IOT),assisted the course instructor in smooth functioning of the course. Internshala student partner Promoted the brand of Internshala in our college