## SAI BHARGAVA RAMU

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EDUCATION				
Dual Degree Class XII Class X	Engineering Design, Indian Institute of Technology Madras Sri Chaitanya Junior Kalasala, Vijayawada Dr. KKR Gowtham International School, Visakhapatnam	7.5/10 97.3% 94.3%	2018 2013 2011	
PROFESSIONAL EX	PERIENCE			
Software Developm		D	1 11 0010	
Altair Engineering India, Bangalore <ul> <li>Developed a utility (PackNGo) for packing as well as unpacking of Project files.</li> </ul>			ber-May 2017	
• Developed a utility to one location to anothe <b>Project Trainee</b>	heal file paths by linking missing paths in a Project. It is helpful er location	, , , , , , , , , , , , , , , , , , ,		
- •	ng Design Center, Chennai Product Development Engineers on Pre and Post processing tasks i		1ay-July 2016	
	tion scripts in Abaqus-python which increased sectional efficience			
PROJECTS				
Deep Learning to Clone Driving Behavior Self-Driving Car Nanodegree Program, Udacity		Deep Learning, Keras, CNNs March-July 2017		
· Used optimization tec Vehicle Detection a	volutional neural network for end-to-end driving in a simulator, usi hniques such as regularization and dropout to generalize the <b>netwo</b> and <b>Tracking</b> Computer Vision, C odegree Program, Udacity	ork for driving on r DpenCV, Machine Lea	nultiple tracks	
· Created a vehicle determachines (SVM)	ection and tracking pipeline with OpenCV, histogram of oriented gr	adients (HOG), and s	support vector	
<ul> <li>Optimized and evaluated the model on video data taken during highway driving from an a Advanced Lane Finding</li> <li>Self-Driving Car Nanodegree Program, Udacity</li> </ul>			utomotive camera Computer Vision, OpenCV March-July 2017	
thresholding. • Identified lane curvate shadows and pavemen <b>Deep Learning for</b>		nvironmental chall	enges such as	
$\cdot$ Achieved $84\%$ base a	ng models for classification, segmentation and retrieval of 3D model accuracy without fine tuning using <b>3D CNNs</b> on converting data crees to handle point cloud data for order invariance.	s by training on limit		
PROGRAMMING SH	<b>XILLS</b>			
Software as Tool	es Python, R, Bash(Basic) Mathematica, MATLAB/Octave, IAT <sub>E</sub> X ies HTML, CSS, Javascript (Basic) Programming Lang Operating System Design Software	0 0		
POSITION OF RESP	ONSIBILITY			
<b>Teaching Assistant</b> Introduction to Comp	utation and Visualization	August 2	017 - Present	
• •	uidance to a batch of 55 students along with team of 9 people	_		
Department Fest of M	Coordinator, Mechanica lechanical Engineering & Engineering Design		y-March 2015	
· Coordinated to ensur OTHERS	re smooth running of the event which received 100+ students partic	cipation		
• Stood <b>30/1077</b> in OLX challenge hosted on Hackerrank			2017	
• In national <b>top 0.1%</b> of students in JEE Mains out of more than 1 million students			2013	
• In state <b>top 1%</b> of students in the National Standard Examination in Chemistry(NSEC)			2013	
• Selected for <b>KV</b>	$\mathbf{PY}$ , program by Department of Science and Technology, Governme	ent of India	2013	