Yash Sanjay Bhalgat

Curriculum Vitae	$Primary\ email:\ yashbhalgat 95@gmail.com$		
Contact	https://yashbhalgat.github.io/	+1928-409-6998	yashsb@umich.edu
EDUCATION	University of Michigan, Ann Ar Masters, Computer Science and Engi • GPA: 3.89/4.0		Dec '18 (expected)
	Indian Institute of Technology, I B. Tech. with Honors in Electrical En • GPA: 9.44/10.0	7 1	2013-2017 ter Science
Relevant Courses	Machine Learning, High Performance Scientific Computing, Advanced Computer Vision, Digital Image Processing, Matrix Computations, Design and Analysis of Algorithms, Data Structures and Algorithms, Probability and Data Analysis, Microarchitecture, Complex Analysis, Calculus		
Experience			
TECHNICAL SKILLS	 Languages: (proficiency: high to low) Python, C++, MATLAB, Java, Verilog, R, Julia, Bash Packages: PyTorch, Keras, Theano, TensorFlow, OpenCV, CUDA, python-flask, git 		
Work Experience	IBM Almaden Research Center, Mentor - Zhe Liu [Jun '18 - Ongoing] Mislabel Identification, Correction and Elimination for sentiment classification Ensemble-based framework to integrate weekly-labelled and high-quality samples for training.		
	IBM RESEARCH, Bangalore, M. Joint multi-modal representation. Fast autoencoder-based (CorrNets) se	s for e-commerce catalog se	
	TATA RESEARCH DESIGN AND DEVELOPMENT CENTER, Pune [Dec '15] Object recognition in document images with semisupervised deep learning [arXiv] Work accepted in DAS conference. Stamp etection accuracy 94% and segmentation IoU 74.81%.		
	INFURNIA, Mumbai Software module development u Created a range of constraint-module		
	FOCUS ANALYTICS, Mumbai Indoor Navigation System - Ped Developed a pedometry-based indoor		[Dec '14] a accurate to 1-1.5 meters.
	MARS SOCEITY OF INDIA, I. Navigation System Design - Unit Built an A-star algorithm for video-gu	IT Bombay versity Rover Challenge, U	[Aug '14-Mar '15]
KEY COURSE PROJECTS	 Convolutional Neural Network from scratch, Advanced Computer Vision [github] Exploring machine-learning ranking systems on the Yelp dataset, Information Retrieval Sarcasm detection in sentences, Machine Learning (CS 725) [github] Segmentation of MRI images using Expectation Maximization, Est. and Identification Computer Vision and Image Processing algorithms acceleration with CUDA, High Performance Scientific Computing [github] 		
SCHOLASTIC ACHIEVEMENTS	 All India Rank 12 in IITJEE-Mains e All India Rank (AIR) 60 in KVPY S Featured in National Top 30 for the Among top 300 in India to compete 	Scholarship by Govt. of India ar International Astronomy Olym	nong 0.2 million candidates piad, 2013