

Maresh Kumar K

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RESEARCH INTERESTS	Computer Vision, Deep Learning, & Machine Learning	
EDUCATION	University of Manitoba , Winnipeg, MB Canada	08/2018 - Present
	<i>Master of Science</i> , Computer Science <i>Advisor:</i> Dr. Yang Wang	
	Visvesvaraya Technological University , Bengaluru, India	08/2012 - 06/2016
	<i>Bachelor of Engineering</i> , Information Science and Engineering (<i>Distinction</i>)	75.6%
	<i>Thesis:</i> Image Captioning on Visual Lifelog	
PREVIOUS WORK EXPERIENCE	Infrd.ai , Bengaluru, India	06/2017 - 07/2018
	<i>Software Engineer (Machine Learning)</i>	
	<ul style="list-style-type: none">Real estate image scene classification into various room types based on Inception-v3 architecture.Determining the house condition from damage, peeling paint, holes in walls, etc., with deep convolutional neural networks.Object detection of products in general stores.POCs - image similarity between 2D and 3D image representations of automobile parts; multiclass classification of wrist watches.	
	Cerner Healthcare Solutions , Bengaluru, India	06/2016 - 06/2017
	<i>Software Engineer</i>	
	<ul style="list-style-type: none">Developed dashboards to gain the statistical perspective on the closure rate of service requests within the organization.	
	Jobspire , Bengaluru, India	01/2016 - 04/2016
	<i>Intern</i>	
	<ul style="list-style-type: none">Involved in developing a quiz platform for personality test as part of a recommender system to choose career path.	
	Rare Mile Technologies , Bengaluru, India	06/2015 - 07/2015
	<i>Project Trainee (Intern)</i>	
	<ul style="list-style-type: none">Developed the front-end interface for a data labeling application.	
ADDITIONAL COURSES	International Institute of Information Technology , Hyderabad, India	
	<i>Centre for Visual Information Technology</i>	
	<ul style="list-style-type: none">Computer Vision Summer School 2018Machine Learning Summer School 2018	
AWARDS AND HONORS	At the University of Manitoba (U of M):	
	<ul style="list-style-type: none">International Graduate Student Entrance Scholarship (IGSES), Faculty of Graduate Studies, University of Manitoba, 2018-2019	
PRO-BONO	DataKind	03/2017 - 06/2018
	<i>Core Team Member</i>	
	<ul style="list-style-type: none">Identification of unelectrified urban poor communities living in makeshift housing from satellite imagery of Bengaluru.Involved in organizing and facilitating couple of Datathon sessions.	

**COMPUTER
SKILLS**

Languages: Python, Java, JavaScript, L^AT_EX, HTML

Tools: Linux Shell, Vim, PyTorch, TensorFlow, Keras, OpenCV