

## Maresh Kumar K

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

**COMPUTER  
SKILLS**

**Languages:** Python, Java, JavaScript, L<sup>A</sup>T<sub>E</sub>X, HTML

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