

Mahesh Kumar K

Department of Computer Science
E2-510 EITC
University of Manitoba
Winnipeg, MB R3T 2N2 Canada

Phone: +1 (204) 951-9459
E-mail: kumarkm@cs.umanitoba.ca
Website: <https://www.cs.umanitoba.ca/~kumarkm>

RESEARCH INTERESTS	Computer Vision, Machine Learning	
EDUCATION	University of Manitoba , Winnipeg, MB Canada <i>M.Sc. in Computer Science</i> <i>Advisor: Prof. Yang Wang</i>	08/2018 - Present
	Visvesvaraya Technological University , Bengaluru, India <i>Bachelor of Engineering, Information Science and Engineering (Distinction)</i>	08/2012 - 06/2016 75.6%
RESEARCH EXPERIENCE	Computer Vision Lab , U of M, Winnipeg, MB Canada <i>Graduate Research Assistant with Prof. Yang Wang</i>	08/2018 - Present
PREVIOUS WORK EXPERIENCE	Infrd.ai , Bengaluru, India <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, and holes in walls 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.	06/2017 - 07/2018
	Cerner Healthcare Solutions , Bengaluru, India <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.	06/2016 - 06/2017
	Jobspire , Bengaluru, India <i>Intern</i> <ul style="list-style-type: none">• Involved in developing a quiz platform for a personality test as part of a recommender system to choose a career path.	01/2016 - 04/2016
	Rare Mile Technologies , Bengaluru, India <i>Project Trainee (Intern)</i> <ul style="list-style-type: none">• Developed the front-end interface for a data labeling application.	06/2015 - 07/2015
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 2018• Machine 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

Core Team Member

- Identification of unelectrified urban poor communities living in makeshift housing from satellite imagery of Bengaluru.
- Involved in organizing and facilitating a couple of Datathon sessions.

**COMPUTER
SKILLS**

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

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