



ICTS

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TATA INSTITUTE OF FUNDAMENTAL RESEARCH

ICTS Seminar

Title : Machine Learning in Imaging and More!

Speaker : Varun Gulshan, Google, Bangalore

Date : Thursday, February 22, 2018

Time : 11:00 AM

Venue : Madhava Lecture Hall, ICTS Campus, Bangalore

Abstract : In this talk, I will deep dive into a specific application of Machine Learning (ML) in the domain of medical image diagnostics. I will go over some of the clinical and engineering considerations that need to be taking into account in order to use machine learning in real world applications. Coming out of the deep dive, I will go over the optimization problem solved in Deep Neural Networks (the state of the art machine learning models as of today) and talk about variations and applications of Neural networks to problems like image segmentation, object detection, applications in Satellite imagery, genomics, drug discovery and language translation.