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**Professional Chapter**

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Talk by Dr. Satyanath Bhat, IIT Goa

# Probability and Statistics: Past, Present, and Future of AI

20<sup>th</sup> August 2021 4pm-5pm

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## Talk Abstract:

AI and ML is in the limelight of popular media. There is an unsaid understanding that AI/ ML is a recent phenomenon. However, researchers of yesteryear have laid the foundation to the area decades back.

Probability and Statistics, in particular, heavily drives the modern AI/ ML algorithms. In this talk, we will first provide a probabilistic model for popular ML areas. Thereafter we will walk through applications of probability and statistics that are in wide use today.



## About the speaker:

Dr. Satyanath Bhat is an assistant professor at IIT Goa.

His research lies in the intersection of Machine Learning and Game Theory. Before joining IIT Goa, Satya was a postdoctoral research fellow at National University of Singapore. He obtained his PhD and MSc(Engg) degrees from IISc Bangalore. He has also worked as an intern at Xerox Research Center Europe (XRCE), Grenoble, France. Prior to joining IISc, Satya worked as a software developer for 6 years.