

# ACM Goa

## Professional Chapter

presents

Talk by Dr. Ashwin Srinivasan, BITS Goa

# Machine Learning for Humans

Fri. 17<sup>th</sup> September 2021 4pm-5pm

**Online Meeting Link:**

(Join from your browser directly or from Microsoft Teams app)

<https://shorturl.at/ghD03>



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### Talk Abstract:

This talk will not be about AI, but about IA. That is, it will be about some of the machine learning issues that are unavoidable in the design of Intelligent Assistants.

I envisage such tools as working collaboratively with people in Sciences, Engineering, Business and the Arts. The specific role for machine learning I have in mind is not that of developing interfaces to data, but to assist actively in the creative aspects of human endeavor in these areas. I will focus on hypothesis formation in Science as an example. For machine learning techniques to assist meaningfully in this activity, I think at least two kinds of abilities are necessary: (1) ML tools should be able to include, as input, what is known already to the people they are assisting; and (2) ML tools should be able to communicate, as output, what they have discovered, in a form that is understandable to the people they are assisting. In this talk, I will show some ways in which modern neural network learning could be used with old-fashioned logic-based learning to build intelligent assistants that can be used for man-machine collaboration in Science.



### About the speaker

Prof. Ashwin is the Class of 1981 Chair Professor at BITS Pilani, Goa. He received his Ph.D. in 1991 from the University of New South Wales. He has extensive experience as a researcher working at institutes such as the Turing Institute-Scotland, Oxford University, and IBM Research-India. In 2009, he was awarded a Ramanujan Fellowship by DST and joined as Professor at South Asian University. From 2021 he was Professor of Computer Science at the IIIT-D, and is a Chair Professor at BITS Goa since 2015. He is currently the head of the 'Anuradha and Prashant Palakurthi Centre for Artificial Intelligence Research' (APPCAIR) at BITS.