

Thought Leaders in Data Science and Big Data Analytics Seminar Series Talk

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The Intelligent Cloud

By

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Opportunities in the Zettabyte Era

By

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Date: Monday, April 18, 2016

Time: 2-4 pm

Place: 202, South Hall

Abstract

The emerging confluence of big data, machine learning, and cloud computing, opens up unprecedented opportunities for data driven innovations in diverse fields. Data is increasingly born or resident on the cloud, and software is being increasingly developed and delivered through the cloud as well. In this talk, I will share some thoughts on how connected data and intelligence software services are enabling innovative, automated and intelligent applications at a rapid pace, and discuss potential applications in the future.

Bio sketch

Vijay K Narayanan heads the Algorithms and Data Science group in the Data group in Microsoft, where he works on building and leveraging machine learning platforms, tools and solutions to solve analytic problems in diverse domains. Earlier, he worked as a Principal Scientist at Yahoo! Labs, where he worked on building cloud based machine learning applications in computational advertising, as an Analytic Science Manager in FICO where he worked on launching a product to combat identify theft and application fraud using machine learning, as a Modeling Researcher at ACI Worldwide, and as a Sloan Digital Sky Survey research fellow in Astrophysics at Princeton University where he co-discovered the ionization boundary and the four farthest quasars in the universe. He received a Bachelor of Technology degree from IIT, Chennai and a PhD in Astronomy from The Ohio State University. Narayanan has authored or coauthored approximately 55 peer-reviewed papers in astrophysics, 10 papers in machine learning and data mining techniques and applications, and 15 patents (filed or granted).

Abstract:

The rapid growth in data (amount of data created and replicated will be 40 ZB by 2020) fuels a new era of computing – the Data & Analytics era – where data combined with algorithm and cloud-based software leads to improved insights thereby creating business value. This talk will describe the drivers, trends and implications of this new era on Enterprise IT, applications and product delivery across multiple lines of business, illustrated with several case studies (with added focus on opportunities in IoT and Security).

Bio:

Kanu Gulati is an investor at Zetta Venture Partners, an early stage fund that invests in intelligent enterprise software - i.e. companies building software that learns from data to analyze, predict and prescribe outcomes in enterprise applications.

Kanu has over 10 years of operating experience as an engineer, scientist and strategist. She led due diligence and provided deal support for early stage investments at Intel Capital and Khosla Ventures. She has worked in engineering and business roles at a few startups - MapD, Nascentric (acquired by Cadence) and Atrenta (acquired by Synopsys), among others.

Kanu co-authored 3 books, 1 book chapter, 35+ peer-reviewed publications with 400+ citations, and 1 US Patent on high performance computing and hardware acceleration. She completed her MBA at Harvard Business School, obtained her Ph.D. and masters degrees from Texas A&M University, and her undergraduate degree from Delhi College of Engineering.