



ML SUMMIT

4th Edition



6 December 2023



9AM to 6PM



Venue : The Zuri Whitefield, Bangalore

Conference Agenda

Time	Event - Agenda	Presenter
9:00 - 9:10 AM	Inauguration	 Patricia Hansen Sr. VP, Capital One
9:10 - 9:30 AM	Key Note	 (To be confirmed)
9:30 - 10:15 AM	Going from Post-hoc to Ante-hoc Explainable AI Models: Motivation and Methods	 Vineeth N. Balasubramanian Professor, Department of Computer Science and Engineering, IIT Hyderabad
10:15 - 10:45 AM	Detecting and mitigating LLM hallucinations in enterprise applications	 Atindriyo Sanyal CTO & Co-Founder of Galileo
10:45 - 11:00 AM	TEA BREAK	
11:00 - 11:50 PM	Navigating the Landscape of LLMs: From Applications to Efficient Inference	 Abhishek Choudhary Co-Founder, TrueFoundry  Chirag Jain Senior ML Engineer at TrueFoundry
11:50 - 12:35 PM	Panel: Scaling technology for AI products	 Vinayak Hegde CTO-in-Residence at Microsoft for Startups  Gaurav Aggarwal Founder & CEO, Ananas Labs  Abhishek Gupta Associate Professor, Electrical and Computer Engineering, Ohio State University
12:35 - 2:00 PM	LUNCH	
2:00 - 2.45 PM	Reinforcement Learning For Recommendation Systems	 Abhishek Gupta Associate Professor, Electrical and Computer Engineering, Ohio State University
2:45 - 3:30 PM	Advancements in Computer Vision: Neural Radiance Fields	 Venkatesh Babu Professor, Department of Computational & Data Sciences (CDS), IISc Bangalore  R Srinath Project Assistant at Vision and AI Lab, IISc Bangalore
3.30 - 3:45 PM	TEA BREAK	
3:45 - 4:30 PM	Building Knowledge Graph for Products at Scale and infusing it in to LLMs	 Manoj Agarwal Senior Staff Engineer in Discovery Intelligence team at Uber AI
4:30 - 5:00 PM	Don't miss the Train: Systems Optimizations for Deep Learning Training on Edge Devices	 Prashanthi Kadambi PhD Candidate, Department of Computational & Data Sciences (CDS), IISc Bangalore
5:00 - 5:30 PM	Fireside chat on Responsible AI	 Danish Pruthi Assistant Professor, Department of Computational & Data Sciences (CDS), IISc Bangalore
5:30 - 5:35 PM	Vote of Thanks	 Yatindra Nath MVP DataLabs, Capital One
5:35 Onwards	High Tea and Networking	



Speaker Details



Prof. Vineeth N. Balasubramanian
CSE Faculty at Department of AI,
IIT Hyderabad

Professor is Vineeth a Fullbright-Nehru Fellow at Carnegie Mellon University. His research interests include deep learning, machine learning, and computer vision. He is a recipient of the Google Research Scholar Award (2021), NASSCOM AI Gamechanger Award (2022), among others.



Atindriyo Sanyal
CTO & Co-Founder of Galileo

Atindriyo, currently the co-founder and CTO of Galileo, has previously spent over 10 years building large scale ML platforms at Apple and Uber. He was an Engineering Leader on Uber's Michelangelo ML platform, and was a co-architect of the first Feature Store. His work with the HazyLab at Stanford conceptualized Embedding Stores using Vector Databases.



Abhishek Choudhary
Co-Founder, TrueFoundry

Abhishek is the co-founder of TrueFoundry, a platform empowering ML developers to deploy and optimize Language Models. Prior to this, he worked as Senior Staff Software Engineer at Facebook where he led videos and caching infra teams. He is a graduate in Computer Science from IIT Kharagpur.



Chirag Jain
Senior Machine Learning Engineer
at TrueFoundry

Chirag is a Machine Learning Engineer at Truefoundry, a platform empowering ML developers to tune, track and deploy machine learning models, he built and leads the GPU workloads optimization efforts - enabling LLM finetuning and inference all the way from from constrained smaller single GPUs to multi-node multi-gpu clusters. Prior to this, he worked as a ML Engineer at Haptik, building core models and systems for all parts of the ML life cycle - data augmentation, deep learning training, evaluation and multi-tenant inference pipelines.



Vinayak Hegde
CTO-in-Residence at Microsoft for
Startups

Vinayak has more than 20 years of experience in product development and software architecture. His areas of expertise are IoT (and embedded systems), Large scale networks (and internet protocols) and large scale data processing and management. He worked both as a technical contributor (IC roles) and also leadership leading large teams across continents that developed complex software products in Ad-tech, developer tools, Content delivery networks, Analytics, IoT, e-commerce and logistics.



Gaurav Aggarwal
Founder & CEO, Ananas Labs

Gaurav has expertise building computer vision and machine learning solutions both in academic and industrial settings. He published around 50 research papers in international conferences and journals. In his latest stint, Gaurav led the Data Science team at Ola Cabs. Before that, he founded a technology start-up, Fashiate, that was acquired by Snapdeal. He also worked as Research Scientist at Yahoo Labs and as Assistant professor at University of Notre Dame. He is a graduate in Computer Science from IIT Madras and a PhD from University of Maryland.



Speaker Details



Abhishek Gupta

Associate Professor, Electrical and Computer Engineering, The Ohio State University

Prof Abhishek Gupta is an Associate Professor in the ECE Department at The Ohio State University. He completed his Ph.D. and MS UIUC, Illinois, and his B.Tech from IIT Bombay. His research interests spans multiple areas of theoretical and applied research within the broad field of artificial intelligence, game theory, and dynamic optimization.

He is a co-author on three patent applications at OSU, two of which have been successfully commercialized.



Venkatesh Babu

Professor, Department of Computational & Data Sciences (CDS), IISc Bangalore

Dr Venkatesh is a Professor at the Dept of Computational and Data Sciences at IISc. He is an expert in the domain of Computer Vision and Deep Learning. He received his doctorate degree from IISc and held postdoctoral positions at NTNU, Norway and INRIA, France.



R Srinath

Project Assistant at Vision and AI Lab, IISc Bangalore

Srinath is a Research Assistant at the Vision and AI Lab at IISc. His work focuses on Neural Radiance Fields and Diffusion Models. He has recently published papers on NeRFs in ICCV Conference 2023.



Manoj Agarwal

Senior Staff Engineer in Discovery Intelligence team at Uber AI

Dr. Manoj has worked at big companies such as Microsoft and IBM before Uber. He was the chief architect for building a web scale product knowledge graph for Microsoft - Shopping, comprising a few hundred million products and a few billion facts with high accuracy. His research interests include web mining, graph mining, pattern recognition, data mining, knowledge graphs, LLMs and information retrieval with more than 30 patents and over 25 research papers in reputed journals and conferences.



Prashanthi Kadambi

PhD Candidate, Department of Computational and Data Sciences (CDS), IISc Bangalore

Prashanthi is a Prime Minister's Research Fellow and her research focuses on systems optimizations for deep learning on edge devices. Her work has resulted in several publications at top international ACM and IEEE conferences. She has previously worked on developing Device Drivers at Intel India. Prashanthi holds an MTech from IIIT Bangalore and a BTech from M S Ramaiah Institute of Technology, both with gold medals.



Danish Pruthi

Assistant Professor, Department of Computational & Data Sciences (CDS), IISc Bangalore

Danish is an assistant professor at the Indian Institute of Science (IISc), Bangalore. He guides an NLP group focused on inclusive evaluation, model control (e.g., editing, de-biasing, or personalizing trained models), and also on inspecting and validating data sources (in response to biased or harmful behavior). He is also interested in understanding the broader societal implications of language technologies. He received his PhD from Carnegie Mellon University.