

Addressing Exponential Scale Problems at Infosys

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Abstract:

In this talk I am going to share the use cases for high performance computing for the many clients of Infosys in the domains of Logistics, Finance, Pharma, Manufacturing and the like.

What are some of the problems of exponential size that we have encountered? And what are the technology solutions that Infosys has adopted to address these use cases?

What is the role of Quantum Computing for example in this space? What is the potential of this technology for solving large problems of exponential scale in optimization, simulation, drug discovery, Cyber security and ML?

These are some of the questions we will get to explore in this talk.

Secondly, we will see the opportunities and challenges in using LLMs in the SDLC process.

And lastly, we will discuss the challenges in using enterprise data for experimenting with new cutting edge OS/third party solutions.

What worked for us, and what did not? Maybe your research and ideas can address some of the gaps we are facing. Come join this talk to explore opportunities on how best we can collaborate.

Bio:

Vittal Setty, works as a Product Line Manager at Infosys. As part of Infosys Center for Emerging Technologies (iCETS) he has created multiple solutions using AI/ML, Gen AI to bring efficiencies in the software development and testing life cycle. Currently he works on Quantum Computing and its application for solving problems of exponential size. With 20+ years of experience in the IT industry, he has executed large transformation programs for technology clients in the US.