

Leveraging AI: Opportunities and Challenges



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Abstract

Teaching and education profession has a long history of embracing new technology. It often starts with a natural intellectual curiosity, leads to experimentation and gradual adoption. The recent promise and extensive hype around artificial intelligence (AI) is generating interest in exploring the value in education. AI is a unique technology that can potentially support the learners if introduced thoughtfully. The deep reliance on data presents multiple challenges spanning data acquisition, ethics of using data and probabilistic systems, as well as complex reliability and robustness. This talk will present an overview of the promise as well as the challenges to better inform choices around use of AI technologies.



Biography

Rajesh Vasa heads translational research at the Applied Artificial Intelligence Institute, Deakin University. He has over two decades of experience spanning both industry and academia with deep skills in artificial intelligence and complex software systems design. His career spans engineering, operations and executive leadership in organisations across the world. Rajesh is passionate about solving high impact societal problems. Recent work spans building intelligent homes for elderly (smart homes), reducing traffic congestion (intelligent cities), supporting decision making in safety-critical contexts (next-gen trauma care and cyber-security), personalised/context-aware education technologies. Prof Vasa's research focus is in constructing robust AI systems.

