Preface

Artificial intelligence (AI) has been the prominent field of study and research in educational institutions and research labs across the globe. Strategically speaking, AI has the wherewithal to bring a series of delectable and deft advancements across industry verticals. As widely accepted, AI has turned out to be the prime and pioneering enabler of business agility and automation. In other words, the real business transformation is to be achieved through the smart leverage of the distinct AI power. AI is all about swift and sagacious transitioning all kinds of intertwined digital data into timely and actionable insights. The knowledge discovered through the growing array of AI technologies and tools gets disseminated into all kinds of digital assistants, machineries at the manufacturing floors, defense equipment, medical instruments, handhelds, wearables, portables, mobile devices, robots, vehicles, drones, etc. Further on, business workloads and IT services are empowered through timely and actionable insights to make them competent, cognizant, and cognitive. AI intrinsically simplifies and speeds up the complicated process of fulfilling the mantra of data-driven insights and insights-driven decisions. In short, artistically replicating the contextually and comprehensively learning, articulating, and decision-making capabilities of the human brain in IT products, solutions, and services is the principal role and responsibility of the AI paradigm. AI is becoming penetrative, pervasive, and persuasive too. All kinds of digital systems (the digitized version of physical, mechanical, electrical, and electronics systems) are being empowered with AI phenomenon to exhibit adaptive and autonomous competency in their everyday operations, offerings, and outputs.

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