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This book offers a modern exploration of the intersection of technology and education. It examines the prospects of integrating different AI tools into higher education and explores the challenges, opportunities, and innovative solutions for the different issues surrounding the use of AI in higher education.

Each chapter discusses a different area where AI can enhance the educational landscape, such as AI integration in higher education and immersive virtual reality-based learning environments. The book also emphasizes student-centered learning, AI-powered frameworks for academic excellence, and learner-centric pedagogies. Furthermore, it delves into the role of AI in personalized learning in STEM courses, the development of AI-based tutoring systems, and the use of machine learning to identify students' mental health status. The volume concludes with "Dynamic Horizon," which examines how AI and gamification are shaping higher education.

This book is essential for educators, administrators, researchers, and policymakers who want to leverage AI to create an adaptive, personalized, and engaging learning environment. **Adopting Artificial Intelligence Tools in Higher Education** provides valuable insights into the future of education, paving the way for a more empowered and enlightened academic world.

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