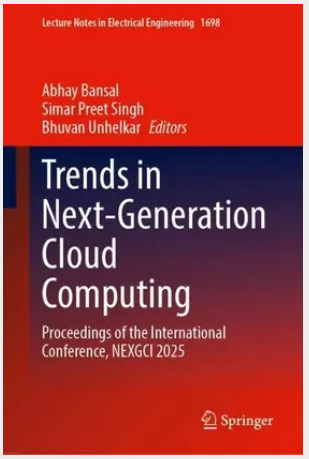
Bansal / Singh / Unhelkar

Trends in Next-Generation Cloud Computing

Proceedings of the International Conference, NEXGCI 2025

The Proceedings of the International Conference on Next-Generation Cloud Innovations (NEXGCI 2025) present a collection of peer-reviewed research contributions addressing recent developments in cloud computing, edge computing, and hybrid computing architectures. The book covers a broad range of emerging topics, including cloud-native systems, federated learning, distributed intelligence, green cloud computing, quantum-enabled computing, secure cloud infrastructures, and advanced data management techniques. It also examines the growing convergence of cloud, edge, and Internet of Things (IoT) technologies and their role in enabling intelligent and data-driven applications across diverse domains. By presenting contributions from researchers, academicians, industry professionals, and practitioners, the volume provides insights into current trends, technological advancements, and future research directions in cloud-enabled computing systems. It serves as a valuable reference for researchers, graduate students, technology professionals, and decision-makers.

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