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Altri autori (Persone)	JunejaMaheep Singh AwasthiLalit Kumar SinghRaj
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Soggetti	Artificial intelligence Machine learning Image processing Computational intelligence Artificial Intelligence Machine Learning Image Processing Computational Intelligence
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Nota di contenuto	Attention based Deep Neural Networks for Automatic Organ Classification from 2D CT Scan images -- Artificial Intelligence and Machine Learning use in Agriculture Domain A Review -- Evolution of Object Detection From Classical to Modern AI Approaches -- Unlocking the Secrets of Deep Space AI Techniques for Object Detection in Astronomical Imagery.
Sommario/riassunto	This book highlights the evolution and interdisciplinary approach of AI and ML in image processing, tracing historical development and exploring their convergence with different fields. It delves into optimizing neural architectures and making deep learning models interpretable while exploring recent trends like versatile CNN applications and edge computing deployment. The intersection of AI

and creativity, dynamic transfer learning, and domain adaptation are discussed alongside object detection techniques and reinforcement learning. It examines advanced applications in satellite imagery, healthcare, and smart cities, addressing ethical considerations like bias mitigation and transparency. This book also outlines future trends such as quantum-inspired computing and the evolution of edge AI ecosystems.

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