1. Record Nr. UNINA9910983062603321

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Titolo	Sustainable Development through Machine Learning, AI and IoT : Second International Conference, ICSD 2024, Virtual Event, April 27–28, 2024, Proceedings / / edited by Pawan Whig, Nuno Silva, Ahmad A. Elngar, Nagender Aneja, Pavika Sharma
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	9783031717291 3031717295
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (442 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2196
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Disciplina	006.3
Soggetti	Artificial intelligence Computer engineering Computer networks Machine learning Application software Software engineering Artificial Intelligence Computer Engineering and Networks Machine Learning Computer and Information Systems Applications Software Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- For Artificial Learning Based Papers. -- Advancing Predictive Maintenance in the Oil and Gas Industry: A Generative AI Approach with GANs and LLMs for Sustainable Development. -- Advancing Sustainable Cybersecurity: Exploring Trends and Overcoming Challenges with Generative AI. -- Advancing Sustainable Security: AI

Driven Embedded Hardware for Mobile Robotics. .-Evaluating Cyber-crime using Machine Learning and AI approach for Environmental Sustainability. -- Fostering Social Relationships in Higher Education Institutions through AI Powered Solutions for Sustainable Development. -- Impact of Artificial Intelligence and Machine Learning in the Sustainable Transformation of the Pharma Industry. -- Integrating Robot-Based Resources to Foster Computational Thinking and Communication Skills in EFL Education: A Path Towards Sustainable Development. -- Sustainable Development in Cancer Diagnosis: Empowering Precision Medicine with Artificial Intelligence and CRC Detection Tools. -- Sustainable Development through Digital Twin Technology: Optimizing the Supply Chain. -- Sustainable Development Through the Integration of Artificial Intelligence and Computer Vision. -- Sustainable Digital and Enterprise Transformation for Omni-Channel Experiences Empowered by Data and AI/ML. -- Sustainable Finance Beyond Banking Shaping the Future of Financial Technology. -- Sustainable Safeguarding: Implementing Fraud Defense Systems for Authorized Push Payments through Robotics Process Automation and AI Integration. -- For Internet of Things Based Papers. -- Advancing Sustainable Development: Harnessing AI for Efficient and Eco Friendly Customer Support in IoT Solutions. -- Enabling Sustainable Interaction: A Novel Approach to Hand Gesture-Based Action Recognition for Intelligent Systems. -- Exploring Network Privacy Measures in Mobile Networks. -- Exploring Sustainable Financial Network Analytics: Opportunities and Challenges in Systemic Risk Management and Investment Analysis. -- Fostering Sustainable Circular Economy Practices in India: A bibliometric Review of IoT Based Technologies. -- Leveraging Block-DAO Integration for Sustainable Smart Manufacturing: Operational Efficiency, Supply Chain Transparency, and Data Security Implications. -- Optimizing Cloud Identity Based Encryption to Secure Data: A Sustainable Approach. -- Promoting Sustainable Security by Implementing AES Algorithm for Enhanced Confidentiality in UART Serial Communication. -- Smart Healthcare Solutions: IoT Integration for Sustainable Management of Kidney Diseases Leveraging Machine Learning. -- Sustainable Development through Real Time Monitoring of Healthcare Data Analytics on The Cloud. -- Sustainable Dynamic Bus Management System using Machine Learning and IoT. -- Sustainable Transport using AI and IoT. -- Unlocking Tourist Sentiments: A Journey Through Uzbekistan's Rich Cultural Heritage. -- For Machine Learning Based Papers. -- A Machine Learning Approaches in sustainable healthcare for Predicting Lumpy Skin Disease. -- Advancing Sustainable Site Reliability in Cloud Operations: An Implementation Research Study of Architecture Best Practices. -- Comparative Analysis of Sustainable Machine Learning Algorithms for Online Fraud Detection. -- Enhancing Sustainable Development through Machine Learning-Driven Master Data Management. -- Fraud Detection in Online Payments Using Deep Learning Models for Sustainable Development. -- Investigating Sustainability and Anonymity Enhancements in Dark Web Interactions Through Blockchain and Deep Learning Technologies. -- Leveraging Sustainable Data Analytics for Proactive Cyber Threat Detection. -- Machine Learning in Fraud Detection For Financial Sustainability in Credit Card. -- Preserving Nature’s Beauty: Sustainable Development through Image Fusion, DWT technique, and Machine Learning in Wildlife Photography. -- Revolutionizing Agricultural Sustainability: A ResNet Approach to Advanced Plant Disease Classification in the Era of AI. -- Sustainable Development through Deep Learning-Based Waveform Segmentation: A Review. -- Sustainable Enhancement of Delhi's Indian Restaurant

	Choices through Machine Learning in Social Network Driven Recommendations.
Sommario/riassunto	This book constitutes the refereed proceedings of the Second International Conference on Sustainable Development through Machine Learning, AI and IoT, ICSD 2024, held in Virtual Event, during April 27–28, 2024. The 38 full papers presented here were carefully reviewed and selected from 167 submissions. These papers have been categorized into the following sections: This volume encompassing a diverse array of topics at the intersection of cutting-edge technologies and practical applications. Each chapter delves into innovative approaches and solutions, providing valuable insights into contemporary challenges and opportunities in various domains. Here, we explore the realms of blockchain, data science, machine learning, artificial intelligence, and more, offering in-depth analyses and practical implementations.