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Nota di contenuto	Privacy-preserving techniques for big data analytics -- An IoT-GNSS-GIS Integrated Platform for Smart Agriculture in India -- Convergence of IoT and 5G: Impacts, Challenges, and Future Directions -- Target-Aware Generative Adverserial Network for Domain Adaptive Yolo in Cross Weather -- Enhancing Crop Yields with Machine Learning: Optimizing Rainfall-Driven Crop Sequencing -- Performance Evaluation of Single-Path Transmission Control Protocol on Multi-Path Data Center Network -- Design and Simulation of Multibeam Cavity for Performance Enhancement of an S-Band Klystron -- Innovative Trust-Based Intrusion Detection Systems for Robust IoT Security -- Optimizing

Real-Time Object Detection In Daycare Centers: A Comparative Analysis Of Machine Learning Models -- IoT for Smart Agriculture-Performance Outcomes related to water resource efficiency-A case study of Jori farms in Pune District -- Advancements in Sugarcane Plant Disease Detection and Classification: A Comprehensive Review and Future Directions -- Enhancing Marathi Language Processing: A Machine Learning Approach to Lemmatization -- Improved Adaptive Pixel Integration in Joint Segmentation for Crop Disease Detection -- Predicting Student Performance Using Machine Learning Techniques: A Comprehensive Review -- Literature Review on Stock Price Predictions with reference to Machine Learning Approaches and Statistical Methods -- Early Detection of Eye Disorder Using Predictive Modeling and Machine Learning Techniques -- Recognising Image Manipulations Utilising CNN and ELA -- Facilitating Internet of Things Innovation: Advantages of Using Ngrok for Development and Prototyping -- Enhancing Patient Engagement and Experience through NFC-Enabled Health Card Appointment Scheduling -- Enhancing Vehicle Safety and Performance through Smart Wheel's Advanced Tire Pressure Monitoring System (TPMS) -- Optimization of Energy Consumption and Detection of Anomalies using Machine Learning Models -- The Impact of Artificial Intelligence in Clinical Decision Support Systems tools on Patient Outcomes and Healthcare Delivery -- Leveraging Ngrok and Flask for IoT Device Simulation: Performance Insights and Rate Limiting -- Speech recognition system for Indian Sign Language in Marathi Context -- Exploring the Impact: Natural Language Processing in Agricultural Crop Rotation Optimization -- A Proposed Solution for Undetected Road Accidents through Live CCTV Based Accident Detection Systems -- Study on Bandwidth Tuning Metasurface with Polarization Conversion Characteristics -- Design and Development of Compact Broadband Microstrip Patch Antenna for X- Band Applications -- Wideband Antenna for wireless Application.

Sommario/riassunto

The book is a collection of high-quality research papers presented at 9th International Conference on Internet of Things and Connected Technologies (ICIoTCT 2024), held at National Institute of Technology (NIT) Mizoram, Aizawl, India during 27–28 September 2024. This book presents recent advances on IoT and connected technologies. This book is designed for marketing managers, business professionals, researchers, academicians, and graduate-level students seeking to learn how IoT and connecting technologies increase the amount of data gained through devices, enhance customer experience, and widen the scope of IoT analytics in enhancing customer marketing outcomes.