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Autore	Gonçalves Paulo J. Sequeira
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Altri autori (Persone)	SinghPradeep Kumar TanwarSudeep EpiphaniouGregory
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Nota di contenuto	Incorporation of the Self-Attention Mechanism into Convolutional Neural Networks for the Target Recognition -- Deep Residual Networks including Transfer Learning for Facial Emotion Identification -- Plant Leaves Disease Detection using Integrated Convolution Neural Networks:A case study on potato -- Electrocardiogram Classification Using Convolutional Neural Network -- From Pixels to Truth: Unveiling Deepfakes with a Meso-5 and XceptionNet Fusion Network -- 5G Technology: From Evolution to Current Time -- An efficient method to deal with missing values and class imbalance in healthcare data -- Improving Machine Learning Algorithm's Accuracy for Detecting Code

Smell Using Data Balancing and Parameter Optimization -- Enhanced Multimodal Conversational AI Using Speech and Image Integration -- A Visual Android Malware Detection Technique based on Process Memory Dump Files -- BookNest : An ensemble based Book Recommendation System -- Deep Transfer Learning in Parasites Imaging: A Systematic Review -- Electronic Healthcare Record Sharing System Using Blockchain -- Android Malware Detection Using Learning Techniques: A Review -- Survey on Classification of Disease Identification in Potato Leaves for Precision Agriculture Using Deep Learning and Machine Learning -- Enhancing Student Success: Predictive Modeling of Graduation and Dropout Rates in University Management Using Machine Learning -- A Deep Learning Framework for Automated Breast Cancer Detection through Histopathological Image Analysis -- Deep Pox: Leveraging Deep Learning Techniques for Monkeypox Recognition in 2022 -- Automated epileptic seizure detection of EEG signals using machine learning -- Credit Card Fraud Detection Using Random Forest and K-Nearest Neighbors (KNN) Algorithm -- Deep Learning Techniques in Sector of Agriculture -- Deep Learning Techniques in Sector of Agriculture -- Comparative Analysis of monopole and Dipole Antennas for CubeSats: A Review -- Blockchain-Driven Recommender Systems Redefining User Experiences -- Unlocking the Potential of Healthcare IoT: Architectural Insights and Future Trends -- Constructing a Hierarchical model based on the Blockchain in Healthcare -- Securing Digital Integrity: Proposed Comprehensive Framework for Deepfake Detection and Blockchain Validation.

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#### Sommario/riassunto

This book features selected research papers presented at the Fifth International Conference on Computing, Communications, and Cyber-Security (IC4S'05) Volume 2, organized in India, during 8th–9th April, 2024. The conference was hosted at GEHU, Bhimtal Campus in India . It includes innovative work from researchers, leading innovators, and professionals in the areas of communication and network technologies, advanced computing technologies, data analytics and intelligent learning, the latest electrical and electronics trends, and security and privacy issues. The work is presented in two volumes.

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