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Leaf Based Plant Disease Detection Using Intelligent Techniques – A Comprehensive Survey -- Chapter 9. Bengali Document Retrieval Using Model Combination -- Chapter 10. Deep Neural Networks Fused with Textures for Image Classification -- Chapter 11. Real Time Prediction of In-Hospital Outcomes using a Multilayer Perceptron deployed in a Web-based Application -- Chapter 12. Automated analysis of Connections in Model Diagrams -- Chapter 13. No-reference Image Quality Assessment using Meta-Learning -- Section 2: Security -- Chapter 14. Cryptanalysis of Markle Hellman Knapsack Cipher using Cuckoo Search Algorithm.-Chapter 15. Generating a Suitable Hash Function using Sudoku for Blockchain Network. etc.

| Sommario/riassunto | This book gathers high-quality research papers presented at the 3rd International Conference on Frontiers in Computing and Systems (COMSYS 2022) held at Indian Institute of Technology Ropar, Punjab, India, during December 19–21, 2022. The book covers research in "cyber-physical systems for real-life applications" pertaining to AI, machine learning, and data science; devices, circuits, and systems; computational biology, biomedical informatics and network medicine; communication networks, cloud computing and IoT; image, video and signal processing; and security and privacy. |