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Nota di contenuto	Chapter 1: Enhancing Early Detection of Alzheimer's Disease through Integrated Deep Learning Models: A Multimodal Diagnostic Approach -- Chapter 2: Enhancing Movie Recommendation Systems through Hybridization of Neural Networks and Genetic Algorithms -- Chapter 3: Automated Human Scream Detection using Machine Learning and Real-Time Audio Processing -- Chapter 4: A Secure Pin Entry Mechanism for Online Banking by Defending Shoulder Surfing Attacks -- Chapter 5: Expressive Canvas: A Mirror of Emotions in Ever – Shifting Pixels -- Chapter 6: Facial Recognition System Using Deep Learning on Mobile Devices -- Chapter 7: Framing an On-Grid Solar PV System for an Overhead Metro Station Employing Matlab and SAM Software -- Chapter 8: Machine Learning Based Classical Dance Mudra Recognition Model -- Chapter 9: Explainable Machine Vision Techniques For Geo-spatial Land Use Classification -- Chapter 10: Disease Identification and Categorization in Pigeon Pea Leaves using LBP and HOG Features -- etc.
Sommario/riassunto	This book is a collection of selected papers presented at the Fifth Congress on Intelligent Systems (CIS 2024), organized by CHRIST (Deemed to be University), Bangalore, India, under the technical

sponsorship of the Soft Computing Research Society, India, during September 4–5, 2024. The book covers high-quality research articles in the fields of soft computing, machine vision, robotics, computational intelligence, artificial intelligence, signal and image processing, data science techniques, and their real-world applications which are some of the recent advancements in the real-world technologies.

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