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Nota di contenuto	-- UKRAG: a Unified Knowledge Graph to Enhance Retrieval Augmented Generation Performance. -- Heart Disease Analysis and Prediction with Machine Learning Techniques using Cleveland Dataset. -- Using LLMs to Enhance Research Output Tracking in Weakly Categorized Research

Areas: A Case Study to Classify Publications in Islamic Economics, Finance, Banking and Business. -- Evaluating AI-Generated Video Quality: A Novel Assessment Model. -- A Non-blind Audio Watermarking in 3D Mesh Models using Daubechies Wavelet Technique. -- Assessing the Impact of Data Augmentation Techniques on YOLO's Performance in PV Anomaly Detection. -- Studying Factors Affecting Attitudes on Artificial Intelligence Voice Assistants in the United Arab Emirates. -- Conceptualizing a Generative AI-based Solution for Emotional Intelligence Interventions: Application to Education and Training. -- Dental Caries Segmentation from orthopantomograms using optimized DeepLabV3+. -- Convolutional Neural Networks for the Classification of Comet Assay Cells. -- AI Driven Carbon Emission Estimation and Forecasting with Recommended Solution. -- Leveraging Deep Learning for Accurate Classification of Leptograpsus Crabs Based on Morphological Measurements. -- Heart Disease Prediction Using Machine Learning. -- Development and Implementation of a Learning Management System with Data Analytics for Enhanced Online Education.... -- VidLyze: Video Content Toxicity Identification Tool using Natural Language Processing (NLP) and Machine Learning. -- Comprehensive Evaluation of GAN Architectures for Acute Lymphoblastic Leukemia Classification -- A Novel Classification of Authentication Schemes for Internet of Drones. -- CarbonMetric: An Intelligent System for Calculating and Reducing Carbon Footprints in Urban Environments. -- Evaluating Adan vs. Adam: An Analysis of Optimizer Performance in Deep Learning. -- Quality assessment of fundus images for further classification: lesson from thesis. -- Empowering Students: Leveraging No-Code and Training models with Google Machine Learning for Accessible App Development. -- A Comprehensive Review of Intrusion Detection Systems in the IoT Landscape. -- Evaluation of Machine learning algorithm and SMOTE for Insider Threat Detection. -- Redefining Mobility Management for Improved Handover Efficiency in Internet-Connected Vehicles. -- Enhancing Course Performance Reports: Leveraging ChatGPT for Comprehensive Data Analysis.

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## Sommario/riassunto

This book constitutes the proceedings of the 5th International Symposium on Intelligent Computing Systems, ISICS 2024, held in Sharjah, United Arab Emirates, during November 6-7, 2024. The 25 full papers included in this book were carefully reviewed and selected from 71 submissions. They focus on research and practice in the fields of artificial intelligence, computer vision, and image processing.

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