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| Nota di contenuto | Enhancing Health Insurance Risk Management with Ensemble Machine Learning Models: A Comparative Study of Predictive Accuracy -- Automatic Arabic Inquiry Classification Using Machine Learning Model: A Case Study of the Directorate of Housing Sharjah -- Local and Global Feature Extraction Using Convolutional Autoencoders and Convolution Neural Networks for Diagnosing Milling Machine Faults -- Milling Machine Defect Identification Using Novel Defect-sensitive Scalograms and CNN -- AI-Driven Bankruptcy Prediction: A Comparative Study of Machine Learning and Deep Learning Techniques on SME Financial Data -- Unleashing the Power of GPT-3: Revolutionary Applications in Natural Language Processing -- Comparative Analysis of U-Net Variants for Semantic Segmentation of Shorelines Using High-Resolution UAV Imagery: A Case Study of Mauritius -- Generative AI Influence on Student Learning Outcomes: The Context of Lebanese University Students -- Ethical Implications of Black Box AI Models in |

High-Stakes Applications -- Generative AI-Driven or AI-Assisted Software Code Generation and the Decline of Community Knowledge Sharing: Challenges and Future Prospects -- AI-Driven Transfer Learning & LSTM Framework for Pandemic Forecasting -- Automating University Course Scheduling Using Genetic Algorithm -- Assessing the Efficacy of VGG16 with CNN in Non-Clinical ASD Prediction.

Sommario/riassunto

This book presents a collection of high-quality, peer-reviewed research papers from 9th International Conference on Information System Design and Intelligent Applications (ISDIA 2025), held in Dubai, UAE, from January 3–4, 2025. It covers a wide range of topics in computer science and information technology, including data mining and data warehousing, high-performance computing, parallel and distributed computing, computational intelligence, soft computing, big data, cloud computing, grid computing, cognitive computing, and information security.
