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| Nota di contenuto | Preface -- Contents -- About the Editors -- 1 A Novel Intelligence System for Hybrid Crop Suitable Landform Prediction Using Machine Learning Techniques and IoT -- 1 Introduction -- 2 Related Work -- 3 Methodology -- 4 Dataset Description -- 5 Feature Engineering -- 6 Experiments -- 6.1 Logistic Regression -- 6.2 K-Nearest Neighbours (KNN) -- 6.3 Extreme Gradient Boosting (XGBoost) -- 6.4 Implementation in Cloud -- 7 Results and Discussion -- 8 Conclusion -- 9 Future Work -- References -- 2 Indian Annual Report Assessment Using Large Language Models -- 1 Introduction -- 1.1 Problem Statement -- 1.2 Objective -- 1.3 Contribution -- 2 |

Related Work -- 3 Methodology -- 3.1 Dataset Preparation -- 3.2 Class Labels -- 4 Results -- 4.1 Fine-Tuning Language Model -- 4.2 Sentence Transformers

Sommario/riassunto

This book presents high-quality research papers presented at the 5th International Conference on Sustainable and Innovative Solutions for Current Challenges in Engineering and Technology (ICSISCET 2023) held at Madhav Institute of Technology & Science (MITS), Gwalior, India, during October 21–22, 2023. The book extensively covers recent research in artificial intelligence (AI) that knit together nature-inspired algorithms, evolutionary computing, fuzzy systems, computational intelligence, machine learning, deep learning, etc., which is very useful while dealing with real problems due to their model-free structure, learning ability, and flexible approach. These techniques mimic human thinking and decision-making abilities to produce systems that are intelligent, efficient, cost-effective, and fast. The book provides a friendly and informative treatment of the topics which makes this book an ideal reference for both beginners and experienced researchers.