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	Soggetti	Application software Artificial intelligence Software engineering Operating systems (Computers) Image processing - Digital techniques Computer vision Computer and Information Systems Applications Artificial Intelligence Software Engineering Operating Systems Computer Imaging, Vision, Pattern Recognition and Graphics
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	Nota di contenuto	-- Artificial Intelligence. -- Artificial Intelligence-Based Quantification and Prognostic Assessment of CD3, CD8, CD146, and PDGF-R Biomarkers in Sporadic Colorectal Cancer. -- Automatic differentiation between coriander and parsley using MobileNetV2. -- Automatic identification of forest areas in the "Carolina" Park using ResNet50, EfficientNetB0 and VGG16: A case study. -- Deep Convolutional Neural Network for Autonomic Function Estimation in Intensive Care Patients. -- Deep Learning Techniques for Oral Cancer Detection: Enhancing Clinical Diagnosis by ResNet and DenseNet Performance. -- Machine

Learning Operations Applied to Development and Model Provisioning. -- MultiMF: a Deep Multimodal Academic Resources Recommendation System. -- NetScribed: A deep learning approach for machine-based melody transcription of audio files. -- Safeguarding Patient Data: Advanced Security in Wireless Body Area Networks and AI-Driven Healthcare Systems. -- YOLO Convolutional Neural Network for Building Damage Detection in Hydrometeorological Disasters Using Satellite Imagery. -- Bioinformatics. -- Extraction and selection of multi-omic features for the breast cancer survival prediction. -- Cloud Computing. -- Migration from On-Premises to Cloud: Challenges and Opportunities. -- Data Analysis. -- Improvement of Acute and Chronic Nutritional Status by supplying a Metabolic Biostimulator to Children in High Risk of Malnutrition. Introducing a Technological Platform to Enable Automatic Analyses and Reporting. -- Relationship between demographic, geographical and access to health services factors. -- RGB Image Reconstruction for Precision Agriculture: A Systematic Literature Review. -- Decision Systems. -- Developing AI-Driven Cross-Platform Geolocation for Enhanced Strategic Decision-Making. -- From Data to Decisions: Performance Evaluation of Retail Recommender Systems. -- Optimizing Fraud Detection in Traffic Accident Insurance Claims through AI Models: Strategies and Challenges. -- Game Development. -- Code Legends: RPG Game as a Support Tool for Programming in High School. -- Development of mental agility mini-games in a video game for early detection of mild cognitive impairment: an innovative approach in mental health.

Sommario/riassunto	The two-volume set CCIS 2236 and 2237 constitutes the refereed proceedings of the 7th International Conference on Applied Informatics, ICAI 2024, held in Vina del Mar, Chile, during October 24–26, 2024. The 39 full papers presented in these proceedings were carefully reviewed and selected from 123 submissions. The papers were organized in the following topical sections: Part I - Artificial Intelligence; Bioinformatics; Cloud Computing; Data Analysis; Decision Systems; and Game Development. Part II - Health Care Information Systems; Interdisciplinary Information Studies; Learning Management Systems; Natural Language Processing; Social and Behavioral Applications; Software and Systems Modeling; and Software Architectures.