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	Nota di contenuto	-- Applications of AI/ML in Natural Language Processing. -- Analyzing the Computational Efficiency of LLM Models for NLP Tweet classification during emergency crisis. -- Drug Sentiment Analysis: A Comprehensive Study using Regression Models and Natural Language Processing. -- Chatbot In Banking Sector Using Machine Learning and Natural Language Processing. -- Lecter - A Large Language Model

Chatbot for Cognitive Behavioral Therapy. -- Evaluating the Language Translation Accuracy of GPT 3.5 using Prompt Engineering. -- Multi-Camera Enhanced Real-Time Content- Aware Vehicle Detection. -- COOL: Classification of Online Offensive Language using Machine Learning and Deep Learning. -- Improved Evaluator for Subjective Answers Using Natural Language Processing. -- Self-Harm Detection from Texts: A Comparative Study Utilizing BERT, Machine Learning, and Deep Learning Approaches. -- Neuro-evolution based Language Model for Text Generation. -- Official Language Detection on Telugu Language. -- User story Based Automated Test Case Generation using NLP. -- Anticipating Future College Admission Cutoffs: An Innovative Predictive Model Incorporating Student Reviews and Historical Admissions Cutoff Data using Machine Learning. -- Sentiment Analysis for Stock Prediction Using Mass Media Sources. -- Applications of AI/ML in Image Processing. -- CADFRA: Coronary Artery Disease Feature Reduction with Autoencoder for Optimistic and Effective Classification of Cardiac Diseases. -- Machine Learning Based Alzheimer's Disease Detection: A Comprehensive Approach. -- Supervised Learning of Procedures from Tutorial Videos. -- Noise removal of Low Dose CT Liver Images Using Improved Discrete Wavelet Transform. -- A - Eye Tracker: Human Eye Defect Tracking and Analyzing Software. -- Design and Analysis of Structural Health Monitoring System for the Diagnosis of Morphological Deformities of Bolted Structures. -- Empowering Medical Image Analysis: Unveiling Anomalies through GANs and BiGANs Models. -- Pneumonia Detection using Chest X-rays: A comprehensive Review. -- Realistic Avatar Control through Video-Driven Animation for Augmented Reality. -- CNN-based Skin Lesion Classification for Melanoma Detection. -- Self-annotated Labelling and Training Data for Traffic Video Object Detection using Machine Learning Techniques. -- A Comparative Analysis on various Machine learning Methods for GAN Based Video Anomaly Detection. -- D3CNet: Integrating Cascade Networks for Enhanced Driver Fatigue Monitoring. -- Automated Indigenous Plant Recognition and Medicinal Value Extraction System. -- An Ensemble of Deep Transfer Learning Frameworks for Automatic Tuberculosis Detection in Chest X-Ray Images. -- SVM-Based Skin Cancer Diagnosis for Malignant and Benign Tumor Distinction. -- Driver's Distraction Detection via Hybrid CNN-LSTM. -- Leaf Disease Detection using ResNet Deep Neural Network. -- An Exploration of Object Detection and Vehicular Communication for Autonomous Vehicles. -- Music Recommendation System based on Facial Expression using CNN.

Sommario/riassunto	These two-volume set IFIP AICT 717 and 718 constitutes the refereed post-conference proceedings of the 7th International Conference on Computational Intelligence in Data Science, ICCIDS 2024, held in Chennai, India, during February 21–23, 2024. The 63 full papers and 9 short papers presented in these proceedings were carefully reviewed and selected from 259 submissions. The conference papers are organized in following topical sections: Part I: Applications of AI/ML in Natural Language Processing; and Applications of AI/ML in Image Processing. Part II: Applications of AI/ML in KDM, Cloud Computing & Security; Data Analytics; and Applications of ML.