1. Record Nr. UNINA9910564698903321

Titolo	Augmented Intelligence in Healthcare: A Pragmatic and Integrated Analysis / / edited by Sushruta Mishra, Hrudaya Kumar Tripathy, Pradeep Mallick, Khaled Shaalan
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2022
ISBN	981-19-1076-6
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (503 pages)
Collana	Studies in Computational Intelligence, , 1860-9503 ; ; 1024
Disciplina	610.28563
Soggetti	Computational intelligence Artificial intelligence Virtual reality Augmented reality Big data Medical informatics Computational Intelligence Artificial Intelligence Virtual and Augmented Reality Big Data Health Informatics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Chapter 1. A bibliometric analysis on the role of artificial intelligence in healthcare -- Chapter 2. Supervised Intelligent Clinical Approach for Breast Cancer Tumour Categorisation -- Chapter 3. Health Monitoring and Integrated Wearables -- Chapter 4. A Comprehensive Review Analysis of Alzheimer Disorder using Machine Learning Approach -- Chapter 5. Machine Learning Techniques in Medical Image: A Short Review -- Chapter 6. Analysis of Diabetic Retinopathy Detection Techniques using CNN Models -- Chapter 7. Experimental Evaluation Of Brain Tumor Image Segmentation and Detection Using CNN Model -- Chapter 8. Effective Deep Learning Algorithms for Personalized Healthcare Services -- Chapter 9. Automatic lung carcinoma

identification and classification in CT images using CNN deep learning model -- Chapter 10. Augmented Intelligence: Deep Learning Models for Healthcare -- Chapter 11. Sentiment analysis and emotion detection with healthcare perspective -- Chapter 12. Augmented Intelligence in Mentalhealthcare: Sentiment analysis & emotion detection with healthcare perspective -- Chapter 13. NLP applications for big data analytics within healthcare -- Chapter 14. Cognitive Computing Driven Healthcare: A Precise Study -- Chapter 15. Cognitive Techniques for Brain Disorder Management: A Future Trend -- Chapter 16. Relevance of Blockchain in Revolutionizing Health Records -- Chapter 17. A Systematic Review on Blockchain Technology: Concepts, Applications, and Prospects in Healthcare -- Chapter 18. Integrated Machine Learning Models for Enhanced Security of Healthcare data -- Chapter 19. Symptoms based Biometric Pattern Detection and Recognition -- Chapter 20. Time Series Analysis of COVID 19 waves in India for Social Good -- Chapter 21. Detection of COVID-19 using A Multi-Scale Deep Learning Network:Covid-MSNet -- Chapter 22. Immersive Technologies in the Healthcare Space -- Chapter 23. Artificial Intelligence in Telemedicine: A Brief Survey -- Chapter 24. Infectious Diseases Reporting System Using Naïve Bayes Classification Algorithm -- Chapter 25. A Comprehensive Study of Explainable Artificial Intelligence In Healthcare.

Sommario/riassunto

The book discusses how augmented intelligence can increase the efficiency and speed of diagnosis in healthcare organizations. The concept of augmented intelligence can reflect the enhanced capabilities of human decision-making in clinical settings when augmented with computation systems and methods. It includes real-life case studies highlighting impact of augmented intelligence in health care. The book offers a guided tour of computational intelligence algorithms, architecture design, and applications of learning in healthcare challenges. It presents a variety of techniques designed to represent, enhance, and empower multi-disciplinary and multi-institutional machine learning research in healthcare informatics. It also presents specific applications of augmented intelligence in health care, and architectural models and frameworks-based augmented solutions.