

1. Record Nr.	UNINA9911064905003321
Autore	Nanda Satyasai Jagannath
Titolo	Data Science and Applications : Proceedings of ICDSA 2025, Volume 8 / / edited by Satyasai Jagannath Nanda, Rajendra Prasad Yadav, Mukesh Prasad, Mukesh Saraswat
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026
ISBN	3-032-15410-3
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (439 pages)
Collana	Lecture Notes in Networks and Systems, , 2367-3389 ; ; 1797
Disciplina	006.3
Soggetti	Computational intelligence Data mining Cooperating objects (Computer systems) Internet of things Computational Intelligence Data Mining and Knowledge Discovery Cyber-Physical Systems Internet of Things
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Enhanced AI-Powered Chat Summarization with Semantic Analysis and Context-Aware Response Suggestions -- Secure and Efficient Log Management using Cryptographic Access Control -- Analysis of Protocols over Twisted Dihedral Group Rings -- Identification of Speech Emotion from Audio using Deep Learning Models -- Comparative Analysis of Feature Importance and Correlation of Soil Components in Maize Cultivation Using Machine Learning -- Non-linear Statistical Models for Air Blast Characteristics of Aluminized Explosive -- Development of an Integrated Healthcare Resource Management System for Efficient Emergency Response -- Evaluation Strategies for Reinforcement Learning Agents in Diverse Simulation Environments -- DeepDX: A Deep Learning Framework for Pulmonary Disease Detection -- Development of a Sensor-Integrated Smart Tennis Racket for Real-Time Impact Localization, Swing Analysis, and Shot Classification using Machine Learning.

## Sommario/riassunto

This book gathers outstanding papers presented at the 6th International Conference on Data Science and Applications (ICDSA 2025), organized by Soft Computing Research Society (SCRS) and Malaviya National Institute of Technology Jaipur, India, from 16 to 18 July 2025. This book is divided into eight volumes, and it covers theoretical and empirical developments in various areas of big data analytics, big data technologies, decision tree learning, wireless communication, wireless sensor networking, bioinformatics and systems, artificial neural networks, deep learning, genetic algorithms, data mining, fuzzy logic, optimization algorithms, image processing, computational intelligence in civil engineering, and creative computing.

---