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Nota di contenuto	Intro -- Preface -- Contents -- Editors and Contributors -- Implementation of a PID Controller for Autonomous Vehicles with Traffic Light Detection in CARLA -- 1 Introduction -- 2 Related Work -- 3 Methodology -- 4 Implementation of PID Controller -- 5 Traffic Light Detection -- 6 Combined Framework -- 7 Result and Discussion -- 7.1 PID Controller -- 8 Traffic Light Detection -- 9 Combined Framework -- 10 Conclusion -- References -- Binary Classification for High Dimensional Data Using Supervised Non-parametric Ensemble Method -- 1 Introduction -- 2 Implementation -- 3 Results -- 3.1 Analysis of Data -- 3.2 Precision and Recall -- 3.3 F-Score -- 3.4 Receiver Operating Characteristic -- 4 Conclusion -- References -- Deep Linear Discriminant Analysis with Variation for Polycystic Ovary Syndrome Classification -- 1 Introduction -- 2 Methodology -- 2.1 First Phase -- 2.2 Second Phase -- 3 Results -- 3.1 Accuracy and Loss for First Phase -- 3.2 Accuracy and Loss for Second Phase -- 3.3 Precision -- 3.4 Recall -- 3.5 F-Score -- 4 Conclusion -- References -- Improved Helmet Detection Model Using YOLOv5 -- 1 Introduction -- 2 Literature Survey -- 3 Architecture

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Sommario/riassunto

This book gathers high-quality peer-reviewed research papers presented at the International Conference on Intelligent Computing and Networking (IC-ICN 2022), organized by the Computer Department, Thakur College of Engineering and Technology, in Mumbai, Maharashtra, India, on February 25–26, 2022. The book includes innovative and novel papers in the areas of intelligent computing, artificial intelligence, machine learning, deep learning, fuzzy logic, natural language processing, human–machine interaction, big data mining, data science and mining, applications of intelligent systems in healthcare, finance, agriculture and manufacturing, high-performance computing, computer networking, sensor and wireless networks, Internet of Things (IoT), software-defined networks, cryptography, mobile computing, digital forensics and blockchain technology.
