

Examining the Impact of Deep Learning and IoT on Multi-Industry Applications

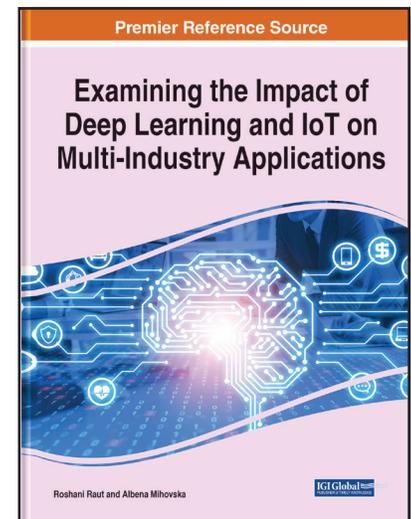
Part of the Advances in Web Technologies and Engineering Book Series

Roshani Raut (Pimpri Chinchwad College of Engineering (PCCOE), Pune, India) and Alben Mihovska (CTIF Global Capsule (CGC)- Security and Digitalization, Denmark)

Description:

Deep learning, as a recent AI technique, has proven itself efficient in solving many real-world problems. Deep learning algorithms are efficient, high performing, and an effective standard for solving these problems. In addition, with IoT, deep learning is in many emerging and developing domains of computer technology. Deep learning algorithms have brought a revolution in computer vision applications by introducing an efficient solution to several image processing-related problems that have long remained unresolved or moderately solved. Various significant IoT technologies in various industries, such as education, health, transportation, and security, combine IoT with deep learning for complex problem solving and the supported interaction between human beings and their surroundings.

Examining the Impact of Deep Learning and IoT on Multi-Industry Applications provides insights on how deep learning, together with IoT, impacts various sectors such as healthcare, agriculture, cyber security, and social media analysis applications. The chapters present solutions to various real-world problems using these methods from various researchers' points of view. While highlighting topics such as medical diagnosis, power consumption, livestock management, security, and social media analysis, this book is ideal for IT specialists, technologists, security analysts, medical practitioners, imaging specialists, diagnosticians, academicians, researchers, industrial experts, scientists, and undergraduate and postgraduate students who are working in the field of computer engineering, electronics, and electrical engineering.



ISBN: 9781799875116

Pages: 304

Copyright: 2021

Release Date: January, 2021

Hardcover: \$245.00

E-Book: \$245.00

Softcover: \$185.00

Hardcover + E-Book: \$295.00

Topics Covered:

ADHD Diagnosis
Agriculture Applications
Artificial Intelligence
Cancer Diagnosis
Computer Vision

COVID-19
Cyber Security
Deep Learning
Fog Networks
Healthcare Applications

Internet of Things (IoT)
Irrigation System
Machine Learning
Medical Diagnosis
Neuroimaging

Subject: Computer Science and Information Technology

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners

Order Information

Phone: 717-533-8845 x100

Toll Free: 1-866-342-6657

Fax: 717-533-8661 or 717-533-7115

Online Bookstore: www.igi-global.com

Mailing Address: 701 East Chocolate Avenue, Hershey, PA 17033, USA