Advancements in Bio-Medical Image Processing and Authentication in Telemedicine
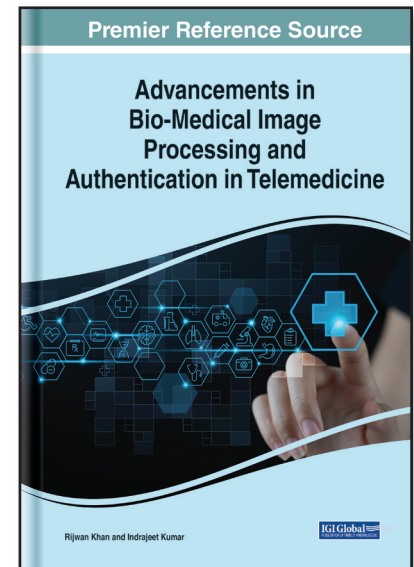
Part of the Advances in Medical Technologies and Clinical Practice Book Series

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Advancements in Bio-Medical Image Processing and Authentication in Telemedicine

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Description:

With the emergence of smart technology and automated systems in today's world, big data is being incorporated into many applications. Trends in data can be detected and objects can be tracked based on the real-time data that is utilized in everyday life. These connected sensor devices and objects will provide a large amount of data that is to be analyzed quickly, as it can accelerate the transformation of smart technology. The accuracy of prediction of artificial intelligence (AI) systems is drastically increasing by using machine learning and other probability and statistical approaches. Big data and geospatial data help to solve complex issues and play a vital role in future applications.

Advancements in Bio-Medical Image Processing and Authentication in Telemedicine provides an overview of the basic concepts of data science, related tools and technologies, and algorithms for managing the relevant challenges in real-time application domains. The book covers a detailed description for readers with practical ideas using AI, the internet of things (IoT), and machine learning to deal with the analysis, modeling, and predictions from big data. Covering topics such as field spectra, high-resolution sensing imagery, and spatiotemporal data engineering, this premier reference source is an excellent resource for data scientists, computer and IT professionals, managers, mathematicians and statisticians, health professionals, technology developers, students and educators of higher education, librarians, researchers, and academicians.

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Topics Covered:

- Agricultural Sector
- Artificial Intelligence
- Deep Learning
- Field Spectra
- Geospatial Data
- High-Resolution Remote Sensing Imagery
- Hyperspectral Images
- Internet of Things (IoT)
- Machine Learning
- Spatiotemporal Data Engineering
- Spatiotemporal Outlier Detection
- Vehicle Detection

Subject: Environmental, Agricultural, and Physical Sciences

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

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