Machine Learning and Cognitive Science Applications in Cyber Security

Part of the Advances in Computational Intelligence and Robotics Book Series

Muhammad Salman Khan (University of Manitoba, Canada)

Description:

In the past few years, with the evolution of advanced persistent threats and mutation techniques, sensitive and damaging information from a variety of sources have been exposed to possible corruption and hacking. Machine learning, artificial intelligence, predictive analytics, and similar disciplines of cognitive science applications have been found to have significant applications in the domain of cyber security.

Machine Learning and Cognitive Science Applications in Cyber Security examines different applications of cognition that can be used to detect threats and analyze data to capture malware. Highlighting such topics as anomaly detection, intelligent platforms, and triangle scheme, this publication is designed for IT specialists, computer engineers, researchers, academicians, and industry professionals interested in the impact of machine learning in cyber security and the methodologies that can help improve the performance and reliability of machine learning applications.
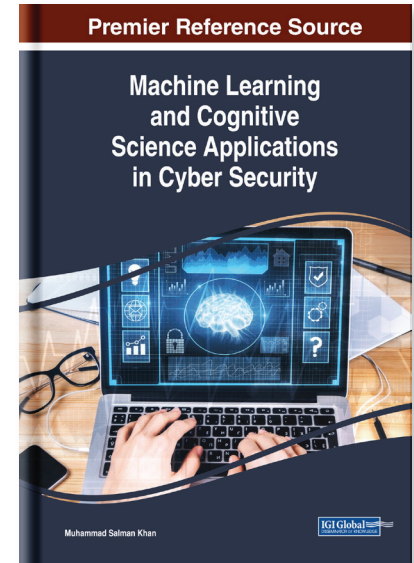
ISBN: 9781522581000   **Release Date:** May, 2019   **Copyright:** 2019   **Pages:** 350

Topics Covered:

- Anomaly Detection
- Authentication Processes
- Avatar-Based Management
- Bat Algorithm
- Biometric Security
- Intelligent Platforms
- Malware Characterization
- Threat Detection
- Triangle Scheme
- Voice Recognition

Hardcover: $235.00
E-Book: $235.00
Hardcover + E-Book: $280.00

IGI Global
DISSEMINATOR OF KNOWLEDGE