Handbook of Research on Machine and Deep Learning Applications for Cyber Security
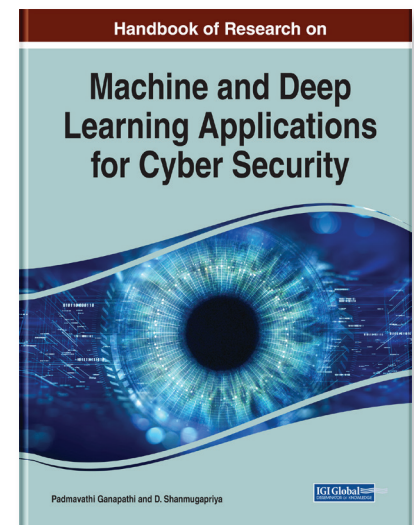
Part of the Advances in Information Security, Privacy, and Ethics Book Series

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Description:

As the advancement of technology continues, cyber security continues to play a significant role in today's world. With society becoming more dependent on the internet, new opportunities for virtual attacks can lead to the exposure of critical information. Machine and deep learning techniques to prevent this exposure of information are being applied to address mounting concerns in computer security.

The **Handbook of Research on Machine and Deep Learning Applications for Cyber Security** is a pivotal reference source that provides vital research on the application of machine learning techniques for network security research. While highlighting topics such as web security, malware detection, and secure information sharing, this publication explores recent research findings in the area of electronic security as well as challenges and countermeasures in cyber security research. It is ideally designed for software engineers, IT specialists, cybersecurity analysts, industrial experts, academicians, researchers, and post-graduate students.

ISBN: 9781522596110   **Release Date:** July, 2019   **Copyright:** 2020   **Pages:** 500

Topics Covered:

- Ad hoc Security
- Biometric Security
- Botnet identification
- Electronic Commerce
- Information Sharing
- Intrusion Detection
- IoT Security
- Malware Detection
- Network Security
- Web Security

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