



CYBEROLOGY

AN OPTIMIZED APPROACH
TO THE CYBER-WORLD

Edited by Mohd. Shahid Husain,
Mohammad Faisal, Halima Sadia, Tasneem Ahmed,
Saurabh Shukla, and Adil Kaleem

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Cyberology

This book provides an insightful examination of cybersecurity threats and their implications across various sectors, including healthcare, agriculture, and government. It covers fundamental concepts in cybersecurity, including cybercrime laws, cyberbullying, and emerging technologies. It discusses challenges in detecting and preventing cyber threats and analyzes trends in cyber warfare and resilience. This book serves as a resource for understanding the complex relationship between technology and society, equipping readers with the knowledge needed to navigate the evolving cyber landscape. It is for scholars, students, and professionals interested in cybersecurity and challenges.

This book

- introduces the fundamental principles and theories of cybersecurity, focusing on the relationship between humans and technology;
- details various cyber threats affecting the digital world, healthcare, and agriculture, emphasizing their real-world implications;
- discusses issues like cyberbullying, threats in cloud computing, and vulnerabilities in cyber-physical systems;
- examines the difficulties in detecting cybercrimes, addressing advanced persistent threats, and fostering cyber resilience;
- analyzes current trends in cyber warfare and terrorism, providing insights into new security challenges.



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Contents

Preface.....ix
Acknowledgments.....xxi
About the Editors xxiii
Contributorsxxvii

Chapter 1 Changing Paradigm in AI Application and Its Impact
on Cybercrime: Review of Major Global Events 1

*Neyha Malik, Firoz Husain, Anis Ali,
and Sumbul Javed*

Chapter 2 Transformative Impact: Social Robots Redefining
Industries and Services..... 24

*Farhina Sardar Khan, Priyanka Bajpai,
and Syed Shahid Mazhar*

Chapter 3 Strategies for Cyber-Resilience: Combatting Advanced
Persistent Threats in the Digital Age 52

*Mohd Haroon, Manish Madhava Tripathi,
Afsaruddin Khan, Shish Ahmad,
Muhammad Kalamuddin Ahmad, and Mohd Husain*

Chapter 4 Unveiling the Digital Trails: A Survey of Contemporary
Digital Forensics Tools and Techniques..... 71

*Wasim Khan, Mohammad Ishrat,
and Monia Mohammed Al Farsi*

Chapter 5 Issues and Challenges in Emerging Cyber Forensics
and Traditional Cyber Forensics Methods90

*Harold Andrew Patrick, Praveen Gujjar J,
Guru Prasad M S, Rishi Kumar,
and Naveen Kumar H N*

Chapter 6 Optimized Approaches for Cyber Forensics
Tools Applications Case Studies 103

Shubham Kumar and Sarfaraz Alam

Chapter 7	A Study of Cyber Threats and Security Frameworks in Cloud Computing	120
	<i>Kashif Asad and Mohd. Faizan Farooqui</i>	
Chapter 8	Cyber Threats in Cloud Computing: Unveiling Vulnerabilities and How to Strengthen the Defense	135
	<i>Faheem Ahmad and Mohammed Ishrat</i>	
Chapter 9	A Comprehensive Analysis of Vulnerabilities and Cybersecurity Issues for Digital Agriculture and Food Industry	150
	<i>Gausiya Yasmeeen, Syed Adnan Afaq, and Saman Uzma</i>	
Chapter 10	Unveiling Critical Success Factors of Zero-Trust Cybersecurity Implementation in Food Industry from a Stage of Change Perspective.....	170
	<i>Pham Quang Huy and Vu Kien Phuc</i>	
Chapter 11	Understanding and Mitigating Cyber Threats in Smart Fruit Crops Safety: An Analysis of Vulnerability and Best Practices for Securing Agricultural Systems	190
	<i>Harish Chandra Verma and Mohammed Siddique</i>	
Chapter 12	Cyber Resilience in a Digital World: Securing Healthcare, Agriculture, and Food Industry against Emerging Threats.....	200
	<i>Mohammad Ishrat, Wasim Khan, and Danish Ather</i>	
Chapter 13	Cyberbullying: Understanding, Preventing, and Addressing Online Harassment.....	225
	<i>Syed Adnan Afaq, Mohammad Faisal, Saurabh Srivastava, Tasneem Ahmed, Gausiya Yasmeeen, Soni Singh, and Saman Uzma</i>	
Chapter 14	The Perils of Cyberbullying on Social Media: Detection and Prevention with Artificial Intelligence	238
	<i>Neha Bhushan and Vipin Khattri</i>	

Chapter 15 Cybersecurity Challenges and Countermeasures in Smart Cities for Sustainable Environment Development: A Comprehensive Analysis of Threats and Resilience Strategies.....	252
<i>Saurabh Srivastava, Tasneem Ahmed, Nayyar Ali Usmani, Syed Adnan Afaq, and Mohammad Faisal</i>	
Chapter 16 Cyber Risk Management in IoT Security Technologies.....	264
<i>Amrit Suman, Preetam Suman, Sasmita Padhy, and Shahana Gajala Qureshi</i>	
Chapter 17 Landscape of Cyber Terrorism on Internet and AI-Powered Countermeasures.....	282
<i>Vipin Khattri, Neha Bhushan, Deepak Kumar Singh, and Mohammad Shiblee</i>	
Chapter 18 Hybrid Secure Clustered Nature-Inspired Decision Support System for Secure Data Communication in Cyberspace	297
<i>Shahana Gajala Qureshi, Sasmita Padhy, Preetam Suman, and Amrit Suman</i>	
Chapter 19 Transforming Network Protection via Open Innovation Strategies.....	317
<i>Mohd. Noman Mansoori, Azra Siddiqui, and Priyanka Tripathi</i>	
Chapter 20 Emerging Role of Digital Library in Evaluating Copyright Regulations.....	329
<i>Priyanka Tripathi, Preetika Tripathi, and Mohd. Noman Mansoori</i>	
Index	349