THE CYBER SHIELD

STRATEGIES FOR A SECURE DIGITAL FUTURE

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Acknowledgement

This book on Cybersecurity and the global crisis associated with it has been a great learning experience, with its challenges and massive growth in my understanding of the domain. I am grateful for all the support and encouragement I have received throughout this journey.

My first gratitude is to my parents. Their confidence in me has always motivated me, and I couldn't have succeeded without them.

I would also like to take this opportunity to sincerely thank my pillars of support and mentors. As I navigate the critical landscape of cybersecurity, their guidance and generosity in sharing their valuable insights are pivotal.

I truly appreciate all family, friends, School Teachers, and Counsellors. Every piece of advice you have given me; I am beyond thankful for especially to my Dad (Bindeshwar) and Mom (Neha). Your guidance and constructive criticism have been very useful and raised the quality of what I've been able to achieve.

Thank you very much, especially to my school staff who have been affected by this cybersecurity incident. Their stories had insightful impacts on me which inspired me to write this book. This incident showed how crucial cyber security is and how it is an utmost necessity to educate individuals and ensure they remain aware of this essential globalizing field.

What happened on Tuesday, January 7th, 2025, at my high school related to our PowerSchool cybersecurity incident was a wake-up call for many. It exposed vulnerabilities in our structures and stressed the importance of vigorous defences. Students, staff, their families, and the wider community all felt the impact. This was an essential reminder of the potential effect of any cyber-security breach and the need to be aware to respond safely in the digital world. I was blown away by the strength and resilience displayed by my school principal, teachers, students and staff impacted after the disaster. Their courage and willingness to learn from the experience motivated me to explore cybersecurity and campaign to ensure other individuals are aware. This volume memorializes their struggle to get past the difficulties that event caused and serves as a testament to their perseverance.

I also want to recognize cybersecurity professionals who provide for their families securing our cyber realm. Their valuable effort is key in protecting our sensitive data and ensuring our Internet activities. Their passion and determination have inspired me greatly. Let's see if these thoughts will make somebody more mindful of cybersecurity and encourage more people to take such preventive measures like me.

This book would not have happened without the help and support of all the above, and I offer my deepest thanks to each of you!

Thank you.

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Chief Information Security Officer (CISO)

Threat Intelligence Analyst

Cybersecurity Auditor

Digital Forensic Investigator

Expert in Industrial Control Systems (ICS) Security

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Networking and System Administration

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Coding and Scripting

Cryptography

Cloud Security

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About the Author

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