

## **Preface**

Natural Language Processing (NLP) has revolutionized intelligent systems and conversational AI, playing a crucial role in securing critical infrastructure across industries. From automated threat detection to real-time risk assessment, NLP enhances decision-making, streamlines communication, and improves cybersecurity resilience. In industry-making, AI-driven NLP solutions empower organizations to detect anomalies, mitigate cyber threats, and manage complex infrastructures efficiently. This book explores cutting-edge applications of NLP in securing critical infrastructure, highlighting its role in industrial automation, defense, and cybersecurity. By integrating NLP with intelligent systems, industries can achieve enhanced security, operational efficiency, and robust protection against evolving threats in the digital landscape.