

Intelligent Technologies for a Smarter World: AI Innovations Across Communication, Energy, Mobility, Security, Social Systems, and Digital Commerce

Chapter	Title	Page No.
1	.Introduction to Artificial Intelligence and Emerging Technologies	13
2	Fundamentals of Machine Learning and Data-Driven Decision Making	42
3	AI for English Speaking Enhancement	69
4	AI for English Writing Support	97
5	Intelligent E-Commerce Prediction Systems	125
6	AI and ML in Human Resource Management	153
7	AI in Social Media Analytics and Digital Engagement	180
8	Autonomous Electric Vehicles and Intelligent Mobility Systems	209
9	AI and Machine Learning in Electric Vehicle Battery Optimization	235
10	6G Communication Technologies and AI-Assisted Networks	262
11	Cloud Computing and Security Mechanisms for Modern Applications	291
12	Cybersecurity Challenges and AI-Powered Intrusion Detection	318
13	Solar Energy Systems and Smart Grid Technologies	346
14	AI and ML for Solar Energy Forecasting and Optimization	374
15	Ethical, Legal, and Societal Implications of AI	403