

Preface

Intelligent Technologies for a Smarter World: AI Innovations Across Communication, Energy, Mobility, Security, Social Systems, and Digital Commerce explores the transformative impact of Artificial Intelligence (AI) across key sectors that shape modern society. From enhancing communication networks and optimizing energy systems to revolutionizing mobility with autonomous vehicles, AI is driving innovation in ways that were once unimaginable. This book delves into the role of AI in improving security, both physical and digital, while also fostering smarter social systems and more efficient digital commerce. Through a series of expert contributions, it examines how AI is reshaping public services, improving social welfare, and creating new opportunities for business growth. With practical applications, case studies, and future outlooks, this book provides a comprehensive perspective on how intelligent technologies are paving the way for a smarter, more interconnected world, offering solutions to global challenges and ensuring sustainable progress.