

Preface

This book is born out of the growing need to create smarter, more sustainable urban environments through the convergence of IoT architectures and AI technologies. As cities worldwide grapple with rapid urbanization, resource constraints, and environmental challenges, intelligent solutions have become critical. This preface sets the stage for exploring how interconnected devices and advanced algorithms can transform urban infrastructure, enhance public services, and drive sustainability. It reflects the collaborative efforts of researchers, technologists, and urban planners to provide readers with practical insights, innovative frameworks, and real-world case studies that pave the way for resilient, adaptive, and future-ready smart cities.