

Preface

Healthcare is undergoing a profound transformation driven by the convergence of Artificial Intelligence (AI), Machine Learning (ML), the Internet of Things (IoT), cloud computing, and nanotechnology. This book, *Intelligent Smart Healthcare*, explores how these cutting-edge technologies are reshaping disease diagnosis, treatment, and patient management. From real-time health monitoring through IoT-enabled devices to predictive analytics powered by ML, and from scalable cloud-based healthcare systems to nanoscale innovations in targeted therapy, the integration of these domains is enabling more precise, personalized, and proactive care. This work aims to provide researchers, practitioners, and students with a comprehensive understanding of AI-driven smart healthcare solutions, their challenges, and future directions, ultimately contributing to a more efficient, accessible, and patient-centric healthcare ecosystem.