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Smart Healthcare: Leveraging AI and Cloud Technologies for Enhanced Medical Solutions

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Future Trends: AI And Cloud Innovations In Healthcare

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Abstract

Amalgamation of AI & cloud computing brings a significant relevant change in healthcare, where they are providing assistance to the doctor by examining huge amounts of data in the medical discipline. This means with the help of these emerging technologies, experts can easily diagnose the disease in the early stage, provide better personalised cure plans, speed up the treatment, and the discovery of new drugs. Cloud computing is dedicated to keeping track of data securely with accuracy while sharing it with others. But, here it is important to focus on some issues like algorithm selection, authenticity, integrity, and security of the patients’ data. Despite these concerns, AI and cloud machinery can really boost healthcare and help to create a better future with more proactive and personalised care for a healthy population. The operations of medical research, managing all aspects of patient care, and delivering the results with accuracy are evolving right now. This chapter highlights the impact of AI & cloud tech in the coming years to identify their fruitful effect in healthcare. In the bigger picture, these technologies strive to achieve remarkable changes with improvement in areas like instant drug discovery, medical imaging, virtual assistance, accurate prediction in smart health, early diagnosis, treatment, and cure. The healthcare cloud system is much more committed to delivering a structure that gives cost-effective, secure, and shareable services in healthcare along with advanced disaster recovery plans using AI tools and techniques. The real revolution with amazing possibilities can occur with the help of AI & CC (Cloud Computing) if we can provide better ways to handle population health using precise public health strategies, data processing in real-time and executing the services like AI-as-a-service (AlaaS).

Keywords: [AI-as-a-Service \(AlaaS\)](#), [AI](#), [Cloud computing](#), [Data integration](#), [Healthcare innovation](#), [Natural Language Processing.\(NLP\)](#).

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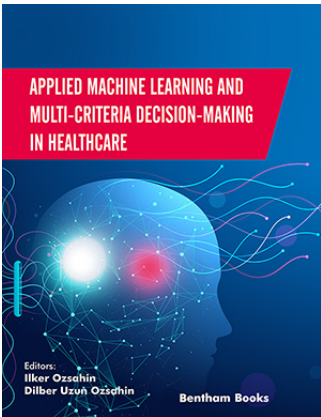
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