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## Chapter 7

# Framework for approaching blockchain in healthcare using machine learning

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Artificial intelligence (AI) acts an integral portion of computer technology segment which underscores the pattern of intellectual machineries that exert, contemplate and react similar to humans. It is the concept and exercise of building machineries that are adept of accomplishing chores which appear to necessitate acumen. It comprises semantic networks, machine learning (ML) and deep learning perceptions. On the other hand, the blockchain permits digital data to be distributed, but not plagiarized, and it is an emerging technology which emphasizes on interoperability. It is an open structure with chunks of data associated conjointly that encompass citations to the leading block. It is a distributed and decentralized system like an uncluttered journal that accumulates an archive of possessions and dealings in a peer-to-peer system. Blockchain and fusion of ML into conventional merchandizes and its correlated amenities can produce ample prospects for establishments. This chapter explores the abilities predictable at the integration of ML and blockchain, in particular in the field of healthcare and to examine about the typical descriptions, advantages and trials of this coalition.

## 7.1 Introduction

In a digital ecosystem, technological development is evolving and transitioning in a swift stride, in which the yearly forecasts of developments can appear outdated even before they could be published as an article. As expertise progresses, it empowers even quicker transformation and progression, instigating an increase in the gradation of alteration, until ultimately, it becomes rampant. Business establishments and persons who do not preserve few of the foremost technological developments may be left outdated. Comprehending the vital developments will

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