Application of Deep Learning and Blockchain in Healthcare Systems

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Message from the Guest Editors

Dear Colleagues,

With the development of the Internet of Things (IoT) and artificial intelligence (AI), the healthcare field has been gradually digitized. In the current digital era, AI-driven healthcare systems have become a popular direction to pursue. Deep learning/ machine learning has been proven to be useful in all areas of healthcare applications, including but not limited to disease diagnosis, healthcare monitoring, patient identification, treatment recommendation, dietary assessment, privacy protection and other specialized healthcare support in image analysis. For example, AI-driven healthcare systems can provide semi/fully-automated diagnostic services to assist doctors in making decisions and developing solutions. Moreover, AI techniques can also be utilized to assist the operation of surgery, such as through manipulation, navigation, etc. With the combination of IoT and AI technology, wearable medical devices/sensors can further facilitate the long-term monitoring of a patient's health conditions, which reduces the burden of practitioners and improves the efficacy of treatment.

Special Issue

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Message from the Editor-in-Chief

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