

Drone-Assisted Secure Healthcare with AI/ML Algorithm and Big Data Analytics for 6G Wireless Communication in the Future

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Abstract: Over the next ten years, expect to witness the emergence of a Sixth Era (6G) of innovation owing to the explosive expansion of 5G applications and rising demand for even faster communication solutions. Many researchers predicted that the 6G remote arrangement standard may appear around 2030. The Sixth Era (6G) organization, which is anticipated to be the next major amusement changer in the media transmission sector, is now the focus of attention in both academia and business. The use of rambles in healthcare will further help to lower healthcare expenditures. The need for expensive ground transportation is eliminated by using rambles to deliver the medical supplies. Additionally, the use of rambles in the inquiry and collecting of therapeutic information will reduce the need for expensive human labour. As the information gathered can be easily and swiftly analysed, this will also reduce the time and costs associated with therapeutic drugs. Long-term improvements in healthcare outcomes and lower healthcare expenditures will follow from this. Numerous organizing hubs and terminal devices provide services for use in the healthcare industry, but this requires a spine system to consider the time-consuming advantage. For future 6G age healthcare frameworks using ramble by machine learning computations with big data. Without being explicitly altered, the framework may provide the ability to memorize and advance spontaneously through machine learning from experience. AI can accurately recognize data, treatment approaches, and generally produces superior, quiet outcomes. It is essential to verify their quality and identify the appropriate linkages for big data analytics to be useful inside the healthcare industry. to ship haematological supplies, defibrillators, and immunizations via drone. The reference layered communication system for hubs and devices in real-time communication, which is part of the suggested approach, demonstrates cutting-edge healthcare application for persuasive treatment and clever integration of benefit provided by 6G distant systems.

Keywords: 6G technology, 5G technology, Drone, Machine Learning algorithms, Big data, Healthcare.

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