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Security Framework for Low Resource Developed Mobile Health Applications in Sri Lanka

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Abstract

People have begun to rely on technological innovation to interact and communicate with one another. Each invention has the potential to have both beneficial and bad effects on our lives. Telephone usage has risen considerably in recent years, allowing customers to perform more work; it is one of the many inventions that has a broad influence on people's lives.There has been a considerable increase in the number of health-related apps available through gadgets, particularly in the realm of healthcare. In addition, the administration will help in the activities necessary to give medical aid to customers, based on their circumstances. Cybersecurity is crucial in the realm of information technology. Protecting information has become one of the most challenging undertakings in today's society. When we think about cybersecurity, the first thing that comes to mind is cybercrime.As mobile technologies advance, attackers will have more opportunity to steal sensitive information or conduct other sorts of assaults on these devices. The coronavirus illness epidemic has wreaked havoc on the global health system, altering our perceptions of the world and our everyday lives.The goal of this research is to look at several techniques to addressing cybersecurity issues in mHealth apps in resource-constrained settings. During the COVID-19 epidemic in Sri Lanka, data was supplied by mobile app developers.The data was analyzed using self-assessment analysis. The author's judgment was based on the opinions of three technical specialists. The author used this as a foundation for making numerous recommendations for future mobile health applications.

Keywords: Cyber security, healthcare, m-health, mobile development, resource-constrained, Cyber threats, Rapid development, Sri Lanka, Blockchain

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