Summary\_of\_Cybersecurity\_through\_blockchain\_technology

The paper does a qualitative analysis of the implementation and deployment methods of Blockchain technology in cybersecurity as proposed in 30 recent research studies reviewed by Taylor et al. (2019) . The paper explains Blockchain technology in brief and how it’s characteristics can tackle identity thefts and fraud caused by unauthorized access to data stored centrally. It is observed that the main focus of many researchers is application of Blockchain to improve the security of IoT devices, data and networks. IoT devices are extensively used, yet they have a weak security configuration often targeted by hackers, making them a research priority. Blockchain security solutions can aid in managing access control and data sharing for IoT devices. Blockchain, due to it’s rigid nature, can tackle the risk of single point failure to ensure data security. Networks and data privacy can also be secured by Blockchain technology. The paper suggests future researchers to work on the practicality of a single Blockchain which can be used to develop security solutions so as to avoid integration of multiple Blockchains.

My views:

This was a very interesting paper, combining the results of various other studies. Each line felt so important that writing a short summary became quite a challenge! Everything was a highlight. The example of cyber breach of 2019 on Yahoo which made me realize the magnitude of the risks we are dealing with.