21st Century Hackers Full Hacking

This documentary was really informative and an eye-opener for me. I have learned about the capabilities that modern hackers have and how they can impact our daily lives. Hackers can gain access to high-speed railway systems, steering, and braking of self-driving vehicles, steel furnaces, and baby monitors. These are just illustrations. In short, hackers have access to everything that is connected to the web.

I have learned that the technologies were introduced before taking into account any downsides they can have on our societies. Nothing is safe from hackers these days, not even a country’s national secret. Cyber attacks are more dangerous than the bomb or other means of attack. There is also another interesting debate in this documentary that questions what these technologies that we use in our daily lives work for, do they work for us, do they work for companies or even governments.

Most people want devices that make their lives easier, and security is not a major concern when purchasing these gadgets or devices. I was already aware of the terms white, black hats, and gray hats but this documentary refined these concepts and furthered my understanding. The documentary also describes how hacking has evolved over the years. From intellectual curiosity to theft and stealing, hacking has evolved tremendously over the years. Sammy’s story was also really intriguing to listen to.

One field where I was least expecting the hackers' involvement was the agricultural sector and the results were contradictory to my initial guess. From this documentary, I have learned different ways in which hackers can take control of equipment employed for different activities. I have also learned that we often tend to forget about the physical side of the internet, there are cables, servers, a lot of physical systems involved, and these systems are all vulnerable to attacks. Another thing interesting that I learned from this documentary was that no matter how hard humans can try they can never totally destruct the internet, but nature can destroy it in a matter of seconds. For example, a solar superstorm can destroy all electronic equipment and possibly destroy the whole of the internet in a matter of seconds. It was really eye-opening to see what will happen if the internet completely shuts down. At the end of the video, the future of internet and some ways in which data and device connectivity can become a trillion-dollar economy were also presented.