

عنوان مقاله:

The role of artificial intelligence in cyber security

محل انتشار:

اولین کنفرانس برق، مکانیک، هوافضا، کامپیوتر و علوم مهندسی (سال: 1401)

تعداد صفحات اصل مقاله: 9

نویسنده:

Masoud Ahmadi pour kouti

خلاصه مقاله:

the rise in cyber attacks has overwhelmed the monetary resources and human ability to analyze and combat every new form of cyber threat in the cyber security industry. With the increasing digital presence, there is a large amount of personal and financial information that should be protected from cyber attacks. In fact, cyber attacks can ruin the reputation of an organization or letdown the organization completely. This research examines the use of AI in the enhancement of cyber security. Recent developments in artificial intelligence are transformational and have exceeded the level of human performance in tasks such as data analytics. The study adopted the thematic literature review method, and data were sourced from Google scholar, science direct, research gates, academia, and others. The investigation revealed that application of AI in controlling cyber attack has advantages and disadvantages; however, the advantages outweigh the disadvantages. This researcher discovers that with the speedy and efficient technology required to operate AI systems, they are likely to improve the protection of customers and businesses in the cyberspace. This is proven by the increasing deployment of AI engines rather than conventional scanning engines in cyber security.

کلمات کلیدی:

• Artificial intelligence • Cyber security • Scientometric • Visualization

لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/1625573>

