Personal Security in the Age of Artificial Intelligence: Risks, Challenges and Solutions

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Abstract

The use of Artificial Intelligence (AI) has brought revolutionary changes in many fields in the present era. Its use is not only leading to innovation in industry and science, but AI is also being adopted in personal life for personal security. It offers tremendous potential for innovation and advancement, but it also poses significant risks and challenges for privacy and data security. While on one hand smart security systems developed by AI such as facial recognition, voice recognition and biometric scanning are giving a new dimension to personal security, on the other hand, personal security related to AI is also at risk such as data theft, hacking which endangers personal privacy. By addressing the major risks associated with it, adopting privacy enhancing practices and implementing strong governance and security measures, organizations can overcome the challenges and effectively protect privacy in AI. By prioritizing privacy and ethics in AI development, we can harness the benefits of AI while protecting individual privacy rights and promoting trust and accountability in the use of Artificial Intelligence Technologies. This paper is designed and based on secondary data available in various research papers, books and journals and provides comprehensive knowledge of how the combination of AI and personal security is bringing a new era but vigilance and regulation are also necessary to deal with the major risks associated with it. The presented research paper delves deeply into the positive and negative aspects of Artificial Intelligence.