

A REVIEW ON USE OF NEURAL NETWORKS IN CRYPTOGRAPHY

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ABSTRACT

Data security has become a top worry for everyone linked to the internet, as it has merged with our lives and grown at a breakneck pace over the past few decades. Data security guarantees that only the intended recipients have access to our information and prohibits any data modification or change. Various techniques and approaches have been developed to attain this degree of security. Cryptography is a set of methods for encrypting data using particular algorithms that render the data unreadable to the naked eye until decoded using preset procedures by the sender. Secret information is rendered illegible for unauthorized users using cryptography. Many cryptographic methods exist, but they are more complicated approaches that need more computing capacity. This article examines how neural networks aid cryptography and how neural networks and cryptography may be used together to improve security.

KEYWORDS: *Cryptography, Cryptosystem, Data Security, Neural Network, Key Generation.*

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