

# The Application of Artificial Intelligence in Computer Network Technology

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**Abstract:** *Computer network technology has become an integral aspect of social life in various fields and industries in this information age. Artificial intelligence is one of the advanced technologies that have rapidly been improving and are now playing a more significant role in the changes of computer network systems. This article goes into the concept of AI technology, examines the challenges faced by computer networks, and explores the inherent advantages and necessity of AI's integration into network technology. In addition, it investigates practical applications of AI in enhancing computer network functionality and security.*

**Keywords:** Artificial Intelligence (AI), Computer, Network Security, Network Technology