Application of Machine Learning Approach to Cloud Security: A Review

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Abstract: *The current paper is related to the application of the machine learning approach to cloud security. This is a review article. Some important papers are chosen to identify research gaps in the cloud security field. Cloud computing is becoming increasingly popular and widely used. Several businesses are investing in this field, either for their own use or as a service to others. The emergence of various security issues for both industry and consumers is one of the consequences of cloud development. Machine Learning is one method for securing the cloud (ML). ML techniques have been used in a variety of ways to prevent or detect Cloud attacks and security gaps. The primary goal of this research is to perform a thorough examination of the machine learning approaches used to address, identify, and prevent cloud security concerns and vulnerabilities. Finally, it is concluded that SVM is the most commonly used ML in both hybrid and standalone models. KDD and KDD CUP'99 are the most used datasets by previous researchers.*

Keywords: Machine Learning, Cloud Security, Cloud Computing, Cloud Development, KDD, KDD CUP'99

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