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S.No.	Title of paper	Name of the author/s	Department of the teacher	Name of journal	Calendar Year of publication	ISSN number
1	A Survey on Intrusion Detection Systems Predicated using Single, Hybrid, and Ensemble Classifiers	Saurabh Shrivastava, Gaurav Dubey	CSE, ITM GWALIOR	International Journal of Research and Analytical Reviews (IJRAR)	Jul, 2022	2349-5138)
2	A REVIEW ON FRAUD DETECTION OF CREDIT CARDS THROUGH MACHINE LEARNING ALGORITHMS	RAKHI ARORA, NITIN DIXIT, GAURAV DUBEY	CSE, ITM GWALIOR	JUSST - Journal of University of Shanghai for Science and Technology	Dec, 2022	1007-6735
3	Network mining techniques to analyze the risk of the occupational accident via bayesian network	Nihar Ranjan Nayak,Suit Kumar, Deepak Gupta	CSE, ITM GWALIOR	International Journal of System Assurance Engineering and Management	Jan, 2022	0975-6809

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A Survey on Intrusion Detection Systems Predicated using Single, Hybrid, and Ensemble Classifiers

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Abstract — Issues like network availability, integrity, but also confidentiality have arisen as a result of rapid growth in use of computer networks A wide range of intrusion detection system (ids (IDS) are therefore required by network administrators to keep an eye on network traffic for suspicious or malicious activity. In order to be considered an intrusion, the security policy must be broken maliciously. By monitoring network traffic for malicious activity and known threats, an intrusion detection system sends out notifications when it finds them. Both misuse detection and signature-based detection can be used to identify malicious activity on a network, in which the IDS gather and analyse data, and then compares this to attack petitions stored inside a large database. Anomaly detection, on the other hand, looks for anything out of the normal as potentially malicious activity. Research presented in this paper provides an overview efforts to create an effective IDS using individual machine learning (ML) models, hybrid models and ensemble models. Studies were analyzed and compared to provide future researchers with direction and guidance.

Keywords: *Intrusion detection; deep learning; network security, KDD dataset.*

I. INTRODUCTION

IDS is a tool for spotting questionable or out-of-character behaviour. Unusual behaviour is detected in a network and an attack is launched. In order to compromise a network, attackers exploit flaws in the network, such as weak security processes and actions,

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A Review on Fraud Detection of Credit Cards through Machine Learning Algorithms

Authors

Rakhi Arora, Nitin Dixit, Gaurav Dubey

Institute of Technology and Management, Gwalior, India.

Abstract

Basically, as online commerce grows, there are more opportunities for fraud to occur with transactions, money, and the holder's personal information. As in the Present situation most of things are happening online so we are facing this problem more often. For this we are developing a system wherein the Fraud actions can be prevented and handled. So in this System our main focus is on Machine Learning and its Algorithms. Our Project is focussing here on Random Forest, KNN and Adaboost Algorithms of Machine Learning. Its results are based on Accuracy and performance and precision. Adaboost offers the highest accuracy when compared to Random Forest, Adaboost, and KNN, according to our comparison, performance, precision. Also we have plotted ROC Curve based on confusion matrix and classification model.

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Network mining techniques to analyze the risk of the occupational accident via bayesian network

Nihar Ranjan Nayak, Sumit Kumar, Deepak Gupta, Ashish Suri, Mohd Naved & Mukesh Soni ✉

Abstract

Today, as the construction industry grows, the frequency of occupational accidents has risen as well. The advancement of technology, inadequacies in workplace safety procedures, and untrained workers are the primary causes of these workplace mishaps. In this research, occupational accident data were preprocessed and then subjected to univariate frequency and cross-tabulation analysis. As a consequence of the research, risk factors for occupational accidents were identified. Then, using Bayesian networks, the impacts of these factors on occupational accidents were examined (BNs). A Bayesian network is a graphical model that captures the conditional dependencies between variables. On a dataset from an international construction firm, the Bayesian network was deployed. Finally, we evaluated the correctness of the constructed Bayesian network and other performance criteria, as well as the model's efficacy. The experimental findings indicate that utilizing machine learning methods, some occupational accident situations

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