Abstract

E-commerce becomes popular for online shopping, banking, financial institution and government. Fraudulent activity exits in many areas of businesses and our daily life. Such activities are most prevalent in telecommunication, credit card fraud detection, network intrusion, finance and insurance and scientific applications. Billions of dollars are loss every day due to the increase in the number of credit card transactions by using online as well as offline. To design potent and efficient fraud detection algorithms is the key for reducing the losses in transaction. There were numerous approaches have been implemented for the fraud detection. This paper shows the approaches used in fraud detection in e-commerce.

References

- Online fraud is 12 times higher than offline fraud, 20 June 2007.
- Sravani Pedamallu, "Graduate Project report on Implementation of an Enhanced
Hidden Markov Model in Detecting Credit Card Frauds”, 2011.
- Khyati Chaudry, Jyoti Yadav, Bhawna Malick, ”A Review of Fraud detection techniques”, 2012 IJCA.
- Avinash Hingole, Dr. R. C. Thool, ”Credit card fraud detection system Using Hidden Markov Model and its Performance”, 2013 IJARCSSE.
- Divya Iyer, Arti Mohanpurkar, Sneha Janardhan, Dhanshree Rathod, Amruta Sardeshmukh, ”Credit Card Fraud Detection using Hidden Markov Model”, 2011 IEEE.
- Krishna Kumar Tripathi, Mahesh A. Pavaskar, ”Survey on credit card fraud detection methods”, 2012 IJETAE.
- Sailesh S. Dhok, ”Credit Card Fraud Detection using Hidden Markov Model”, 2012 IJSCE.
- Neha Sethi, Anju Gera, ”A Revived survey on Various Credit Card Fraud Detection Techniques”, 2014 IJCSMC.
- Raghvendra Patidar, Lokesh Sharma, ”Credit Card Fraud Detection Using Neural Network”, 2011 IJSCE.
- John Akhilomen, ”Data mining Application for Cyber Credit-Card Fraud Detection System”, 2013 WCE.

**Index Terms**

Computer Science  
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**Keywords**

Internet  
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Fraud Techniques  
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