

# **Credit Card Fraud Detection Using SVM**

A project report submitted in the partial fulfillment of the requirements for the  
Award of the Degree of

**BACHELOR OF TECHNOLOGY**

**IN**

**COMPUTER SCIENCE AND ENGINEERING**

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AVANTHI INSTITUTE OF ENGINEERING AND TECHNOLOGY  
(Affiliated to JNTU ,Kakinada & NBA Accredited)**

**Makavarapalem, Narsipatnam-531113**

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# AVANTHI INSTITUTE OF ENGINEERING & TECHNOLOGY

(NBA Accredited)

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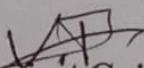


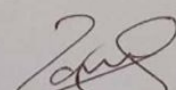
## DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING

### CERTIFICATE

This is to certify that this project work entitled "CREDIT CARD FRAUD DETECTION USING SVM" is bonafide record work done by V.RAJYA LAKSHMI (17811A0550) students of final year B.Tech in the department of Computer Science Engineering in Avanthi Institute Of Engineering & Technology, Visakhapatnam. This work was done for the partial fulfillment for the requirement for the Award of Bachelor of Technology during the 2017-2021 academic years.

The results submitted in this project have been verified and are found to be satisfactory. The results embodied in this thesis have not been submitted to any other university for the award of the any other degree/diploma.

  
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### **Abstract**

In day to day life credit cards are used for purchasing goods and services with the help of virtual card for online transaction or physical card for offline transaction. In a physical-card based purchase, the cardholder presents his card physically to a merchant for making a payment. To carry out fraudulent transactions in this kind of purchase; an attacker has to steal the credit card. If the cardholder does not realize the loss of card, it can lead to a substantial financial loss to the credit card company.

In online payment mode, attackers need only little information for doing fraudulent transaction (secure code, card number, expiration date etc.). In this purchase method, mainly transactions will be done through Internet or telephone. To commit fraud in these types of purchases, a fraudster simply needs to know the card details. Most of the time, the genuine cardholder is not aware that someone else has seen or stolen his card information. The only way to detect this kind of fraud is to analyze the spending patterns on every card and to figure out any inconsistency with respect to the "usual" spending patterns.