**DESIGN AND IMPLEMENTATION OF A CREDIT CARD FRAUD DETECTION SYSTEM**

**BY**

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**CLU180203-140**

**A RESEARCH PROJECT IN THE DEPARTMENT OF COMPUTER SCIENCE SUBMITTED TO THE COLLEGE OF NATURAL AND APPLIED SCIENCE**

**IN PARTIAL FULFILLMENT OF THE REQUIREMENTS FOR THE AWARD OF BACHELOR OF SCIENCE (B.Sc.) OF CHRISLAND UNIVERSITY, ABEOKUTA**

**DECLARATION**

I, **OMONIYI VICTOR OLALEKAN**, do hereby declare that this project work is entirely my work and composition. The work embodied in this project has not been submitted in candidature for any degree and is not currently being submitted for any degree. All references made to works of other persons have been duly acknowledged.

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**CERTIFICATION**

This is to certify that the research work was carried out by **OMONIYI VICTOR OLALEKAN** in the department of Computer Sciences, College of Natural and Applied Sciences, Chrisland University, Abeokuta The research work is considered adequate in partial fulfilment of the requirements for the award of B.Sc in Computer Science.

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**Dr(Mrs) Odeniyi** **Date**

Project Supervisor

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**Dr (Mr) Agbeyangi**  **Date**

Head of Department

**DEDICATION**

This paper is dedicated to the Almighty God, without whose grace and love this paper would not have been written.

This work is also dedicated to my dear parents, Mr. and Mrs. Omoniyi, for their financial support and parental affection. May the Lord shower you with many blessings and grant you whatever your heart desires.

**ACKNOWLEDGEMENT**

To God be the glory for the grace to begin and complete this project, my heartfelt thanks go to my project supervisor, Dr. (Mrs) Odeniyi, without whom this project would not have been possible. I am grateful to her for her direction, corrections, and invaluable suggestions throughout the project's duration Thank you very much, ma.

I acknowledge my wonderful parents Mr. and Mrs. Omoniyi and siblings Oluwafemi, Ayokunle and Busayo for all their love, support, understanding, and sacrifices during the course of this work.

My acknowledgement remains incomplete without thanking my friends, Zainab, Immanuel, Peter, Chukwudi, Al-Hamis, Nedum and colleagues Trevor, Jeffery, Pelumi, Fola, Goke for their recommendations for the successful completion of this work, God bless you all.

**ABSTRACT**

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**CHAPTER ONE**

**INTRODUCTION**

* 1. **Background to the study**

The use of credit cards for online transactions has expanded tremendously as a result of the development and quick expansion of E-Commerce, resulting in an explosion in credit card fraud. As credit cards become the most common method of payment for both online and offline purchases, incidences of credit card fraud are on the rise.

Over the years, credit card fraud has been a major threat. In comparison to 2018, the number of reports increased by 72.4% in 2019. Furthermore, credit card fraud was the most prevalent sort of identity theft in 2019, according to credit card theft data, with over 270,000 cases. In 2015, 34.8% of credit card fraud reports were made, compared to 66.2% in 2016.

Credit card theft cost the globe around $30 billion in 2019. In the next years, this number is expected to skyrocket. Furthermore, according to global credit card fraud data, serious losses from card fraud will reach $40 billion by 2027.

According to 2018 debit card fraud figures, 60–69-year-olds reported 129,448 fraud instances. With 21,904 reported fraud incidents, 19-year-olds and under were the least impacted.

* 1. **Problem statement**
  2. **Aim and Objective of the study**

The study's aim is to

* 1. **Significance of the study**
  2. **Scope of the study**
  3. **Definition of Terms**

**CHAPTER TWO**

* 1. **Organization of work**

**References**

[**https://legaljobs.io/blog/credit-card-fraud-statistics/#:~:text=Around%2035%25%20of%20US%20credit,and%20identity%20theft%20in%202019.**](https://legaljobs.io/blog/credit-card-fraud-statistics/#:~:text=Around%2035%25%20of%20US%20credit,and%20identity%20theft%20in%202019.)

[**https://ieeexplore.ieee.org/abstract/document/5762457**](https://ieeexplore.ieee.org/abstract/document/5762457)