Fraud Detection in Credit Card Data using Unsupervised & Supervised Machine Learning-Based Algorithms

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Fraud Detection in Credit Card Data using Unsupervised & Supervised Machine Learning-Based Algorithms

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Abstract- Online voting methods safeguard your vote's integrity by stopping people from voting more than once. This digital technology eliminates the necessity for physical gatherings and the use of paper ballots for voting For example, by email or an unprotected kind of online survey software. When referring to an electronic voting system, you could hear the terms "online election system" or "online e voting system" used interchangeably. Your organization's ability to collect and monitor real-time input from its members is the common denominator in this case. Keep reading to find out all you need to know about voting online.

Keywords—Digital secure polling system, ballot, Academic institutions, Elections, digital platform.

I. INTRODUCTION

Systematic and verifiable input is collected from your group via the use of online voting tools or online election systems. There are a number of sites where these decisions are made on a yearly basis, including AGMs (Annual General Meetings). Instead, consider conducting frequent polls inside your business organisation (e.g., anonymous employee feedback surveys).

Problem Background:
Numerous academic works have been published recently on the subject of online voting. In recent years, online voting has been a focus of study, and attempts are being undertaken to make the system more safe. The consequences of using an unsecured Internet connection.

Problem Statement:
Our online voting system will streamline the whole voting process by including a chatbot, Chabot, to assist each voter. Any time a user runs into a problem, the chatbot is there to help them out quickly. The voting procedure will be more affordable thanks to our voting technology. The outcomes of our voting method will be more reliable. We can keep track of voters with the aid of our voting system. We also save a lot of time using our method.

Research Objective:
It is the primary goal of this research to advance online voting by offering all the necessary security standards. This study's goal is to make voting more convenient, less time-consuming, and more secure.

Scope of Study:
Elections for roles such as "Group Leader, Project Leader, Employee of the Month, and other modest changes in working environment" are commonplace in many workplaces. Online voting is a great option if such is the case. Electors may cast their ballots from any location. In the course of a semester, universities hold elections for positions such as president and vice president.

II. LITERATURE REIVEW

This is an election voting mechanism that may be utilised by the public. To cast a vote, each voter must log in and choose the candidate of his or her choice. The local area network is where all of the

research, development, and testing takes place. The software used for online voting has been the subject of research for a considerable amount of time, and recent instances of incorrect implementations may be traced back to this time period.A safe and appropriate voting environment must be provided for citizens in order for them to cast their ballots. An online voting system is one in which a voter may exercise his or her democratic right to vote from any location in the world.

Digital Secure Polling System contains:
1. User's details
2. User's Names with ID and password.
3. User's vote in a database.
4. Sum of total number of votes.
5. Result panel
6. A unique user id given my administration

Various operational works proposed in the system is:
Database containing user information. The user's information is checked for accuracy. erasing incorrect information from the record. Each piece of data is sent to the appropriate authorities

III.METHODOLOGY

When there are numerous seats on a board of directors, a Digital Secure Polling System is an excellent idea: (e.g., chair, vice president, secretary, treasurer). Documentation (e.g., bios, resumes, head pictures) may be attached to any of the above. Make room for new members in your organisation. This makes it easier to maintain a consistent and fair review process, and it also informs applicants of what to anticipate.

Gather anonymous employee feedback. In order to understand how their workers really feel about their employment and work lives, managers (and managers of managers) [5-7] want to know. Secret balloting in online voting systems enables workers express their actual sentiments since they know that their input will be taken into consideration but not directly linked to them. Annual budgets should be put to a vote. Using an online voting system ensures that your group's votes are safe and accessible, which is important when making budgetary modifications. Consider making changes to your operating procedures and rules. Expect group members to respond strongly to changes in

organisational procedures, much as during elections for leadership [8]. You'll need to keep track of each individual's reaction to these adjustments. Using an online voting system in these situations can help you make better judgments, defend those conclusions, and provide evidence that these decisions were made in accordance with your group's expectations.

Home Page:
It's the primary page of the website. A website's home page is the first page that visitors see. When an application begins, the phrase may also refer to the page or sites that are always shown in the browser. Alternatively, the term "initial page" might be used in this context.

Registration:
In this we can register by giving the user details.
Registration panel
In this we have to two types of registration.
1) user can easily register themselves.
2) And candidate who stands for election can also register

User Login:
For example, by email or an unprotected kind of online survey software. When referring to an electronic voting system, you could hear the terms "online election system" or "online e voting system" used interchangeably. Your organization's ability to collect and monitor real-time input from its members is the common denominator in this case. Keep reading to find out all you need to know about voting online.

Admin Panel:
Where the admin has the control over the website.
By this they count the votes and decides the results.

Voting Panel:
In this panel we see that how many candidates are participate in election.

Results:
This is the phase where we can easily know which team has win the Election.
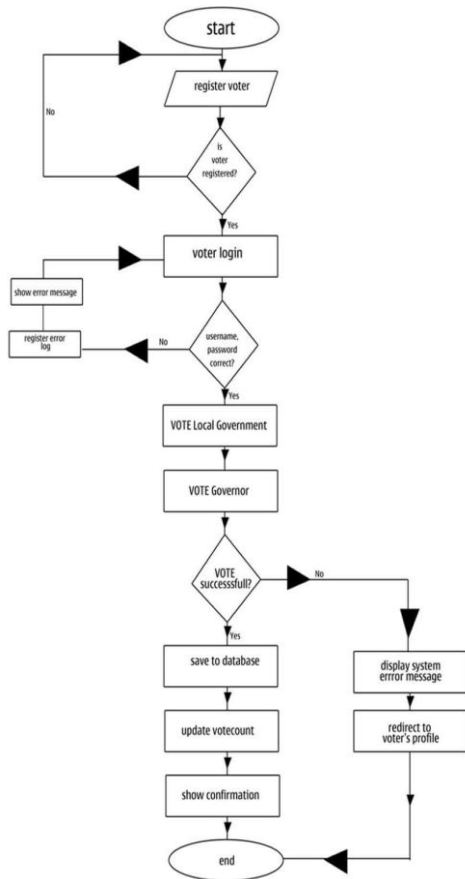
2

Figure 1- Working Methodology [9]
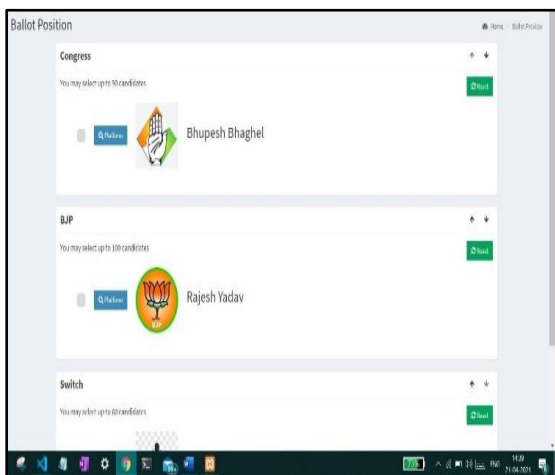
IV. OUTPUT SNIPPETS
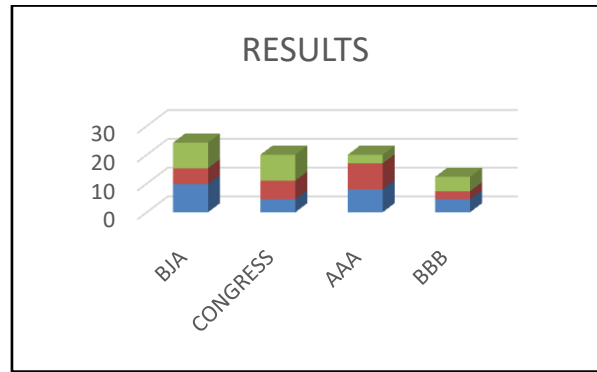

Figure 2 - Ballot Position [10]

Figure 3- Results [11]

V. TECHNOLOGY USED

This online voting platform was developed by us in order to using following technologies:
Front end: HTML, CSS, Bootstrap
Back end: - PHP, JavaScript
Database: - MySQL, phpMyAdmin

VI. CONCLUSION

Most of these functions are required to be performed by a polling system that is capable of meeting strict regulatory standards there is also a considerable emphasis on the need of scalability and ecological sustainability in addition to strict security and accuracy standards.

E-voting aims to speed up ballot counting, save money on hiring employees to physically tally votes, and increase accessibility for those with disabilities. In the long run, costs are likely to fall. The reporting and publication of results is quicker. The ability to vote from anywhere saves both time and money for voters. This might lead to an increase in voter participation. People who live overseas, those who live in rural regions distant from voting booths, and those who are physically challenged stand to gain the most from electronic elections.

People who commit fraud and identity theft should be held accountable for their actions, not only for their financial losses. Frauds and thefts of identity may be quite upsetting. Is there a way to prevent credit card fraud?? Using a credit card account without permission is regarded to be an act of fraud. Fraud is usually detected when a credit card is lost or stolen, when unusual charges appear on a billing account, or when the credit card company's fraud department is called to inquire about a purchase. The credit card provider should be contacted promptly if

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fraud is detected on the account. Assisting with fraud verification, removing charges that were not made by the cardholder or an authorised third party, and closing the account to prevent further fraudulent activity are all responsibilities of the credit card company. Checking your credit report is also a good idea to make sure there are no other unusual charges on your record. Law enforcement's intervention is often planned in conjunction with the financial institution in question. How Do You Handle An Identity Theft Situation? There are many types of fraud in which a person's personal information is used to open new accounts or get benefits in the victim's name. As opposed to other forms of misrepresentation, this one is more complicated and may lead to more significant problems. Cardholders who don't accept bills or other mail, receive Visa, are denied credit for no apparent reason, receive calls or letters about things that were not exchanged by the credit cardholder, and are served court papers or capture warrants for things in which the cardholder was not involved are all indications of fraudulent activity. Accepting such inexplicable happenings as mere coincidences is not an option; instead, you must persistently probe for answers.

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