TEAM SURAKSHA presents

BYEPHISHER

Problem Statement: Automatic Phishing Attack Bypass

In the rapidly evolving digital landscape, phishing attacks have become a critical cybersecurity crisis, causing millions of breaches and billions of dollars in losses annually. ByePhisher, our innovative solution, aims to tackle this pervasive threat. Operating autonomously in the background, ByePhisher seamlessly integrates with users' online activities, providing automated and affordable phishing detection through a subscription-based model. This advanced system not only reduces phishing risks but also addresses the market's need for a userfriendly and cost-effective cybersecurity solution. ByePhisher stands out through its innovative approach, offering unparalleled protection against phishing threats.

Facts:

• Phishing is the most common cybercrime, with over a trillion phishing emails sent every year.

• In 2022, 84% of organizations faced at least one phishing attempt, up by 15% from the year before.

• The number of phishing attacks has been increasing by more than 150% each year since 2019.

Problem identified:

In today's digital world, phishing attacks are a huge problem. They trick people into giving away sensitive information, leading to big financial losses—billions of dollars each year. These attacks not only cost money but also break trust in digital interactions for individuals, businesses, and organizations. The existing ways of stopping them aren't doing enough. We need a new and smart solution.

Existing Solutions:

Existing solutions relying on machine learning prediction methods, fall short in solving the problem entirely as they aren't 100% accurate. While effective, these models may encounter limitations in handling complex scenarios, emphasizing the need for continuous improvement and exploration of alternative approaches. Traditional solutions frequently demand manual intervention and suffer from a lack of seamless integration, posing challenges for efficient operation.

Our Solution:

ByePhisher is an automated phishing detection system designed for seamless integration into users' online activities. The solution operates in the background, necessitating minimal user interaction. The subscription-based model ensures accessibility to advanced cybersecurity features at an affordable cost. It protect users from unwanted attacks and user can surf internet without any stress or risking their systems.

What Makes ByePhisher Different:

- ByePhisher is a smart system that stops phishing without bothering you too much.
- It works smoothly with what you do online, making sure you're always protected.
- It's affordable for everyone, bringing advanced cybersecurity features to a wider group.

Why ByePhisher Matters:

- Large organizations lose around $15 million each year due to phishing attacks.
- Fixing the damage caused by a cyber attack costs about $1.5 million on average for big companies.
- Many employees (58%) ignore the rules meant to keep them safe online, leading to 95% of successful cyber attacks.

Technology Stack:

These technology combination allows for a dynamic and responsive user interface, a robust server-side logic, and efficient data storage, offering a comprehensive solution for development.

- Frontend - HTML/CSS/JS
- Backend – Fast API(Python 3.0)
- Database- Postgres/MongoDB

Innovativeness:

- Smart Protection: It stops phishing without bothering you too much.
- Easy to use: Works smoothly with what you do online, making sure you're always protected.
- Affordable for Everyone: Brings advanced cybersecurity features to a wider group.

Use Case:

- Automated Phishing Detection: Monitors and detects phishing threats in real-time without user intervention.
- Accesses Online Activities: Engages in various online activities, such as browsing, email, and other web services.
- Integration with User Activities: Seamlessly integrates with the user's online activities for continuous protection.

Team Details :

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