

Phishing Email Analyzer

A tool to detect phishing attempts by analyzing email headers and body content.

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Introduction to Phishing Threats



Phishing risk to brands

Growing threat targeting employee credentials



Business impact

Security breaches cause financial and reputational harm



Need for detection tools

Automated analysis reduces human error

Phishing Problem Overview

Major cybersecurity threat

Phishing targets sensitive information

Exploits human trust and error

Consequences

- Financial loss via fraud
- Brand reputation damage
- Potential regulatory penalties



Solution: Email Header & Body Analysis

Header analysis

Checks sender authenticity and reply-to fields

Body content scanning

Detects phishing keywords and patterns

URL verification

Identifies malicious domains in links

Technologies Behind the Tool



Python

Flexible
scripting for
data parsing



Regex

Pattern
matching in
email content



WHOIS
data

Domain
ownership
verification



Email
libraries

Parsing headers
and body
content



How the Analyzer Works

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Step 1

Input email header and body content

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Step 2

Scan for suspicious sender patterns

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Step 3

Check embedded URLs for malicious domains

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Step 4

Flag email as phishing or legitimate

Compass Your:

Only Schess to Email Scanner!



1. Email received

The email is received by the scanner and is at once analyzed and tested for its content to see if it is a phishing attempt or a legitimate email.



2. Scanning process

The scanner checks the email content for all the threats that you may not see. It is then able to detect the threats and scan the email to see if it is a phishing attempt or a legitimate email.



3. Threat detected

The scanner has detected a threat in the email content and is now able to detect the threat and scan the email to see if it is a phishing attempt or a legitimate email.



4 Threat Quarantined

The scanner has detected a threat in the email content and is now able to detect the threat and scan the email to see if it is a phishing attempt or a legitimate email.

Results & Impact

Sample phishing flag

- Suspicious sender info detected
- Malicious URLs highlighted
- Email flagged for review

Business benefits

Proactive phishing prevention

Brand trust and data protection



Future Enhancements



AI & Machine Learning

Improve detection accuracy over time



Extended platform support

Integrate with more email providers



User feedback loop

Adaptive learning from real threats