

PHISHNET – an Agentic-AI Platform for Web Phishing Detection

Helping users *understand* and *investigate suspicious websites* with AI agents

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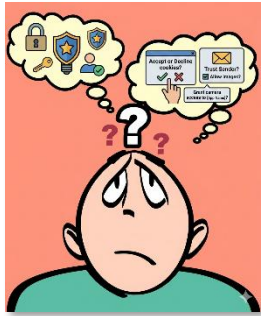
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Phishing – The Front Door to Cybercrime



Should I use my credit card in this online shop?



Is it safe to click the link in this email?



Is this really a government portal?



- Users are **daily confronted** with critical **online security decisions**



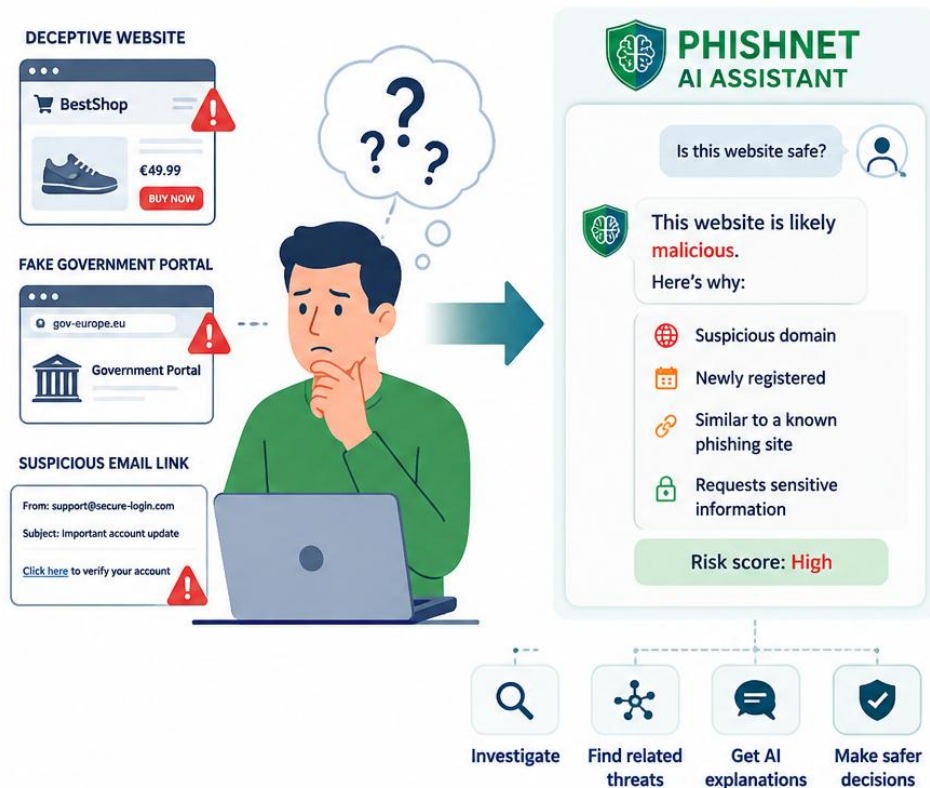
- **Phishing attacks exploit people** rather than technical vulnerabilities



- The **increasing sophistication of malicious websites** makes it difficult for users to **understand when and why a webpage may be harmful**

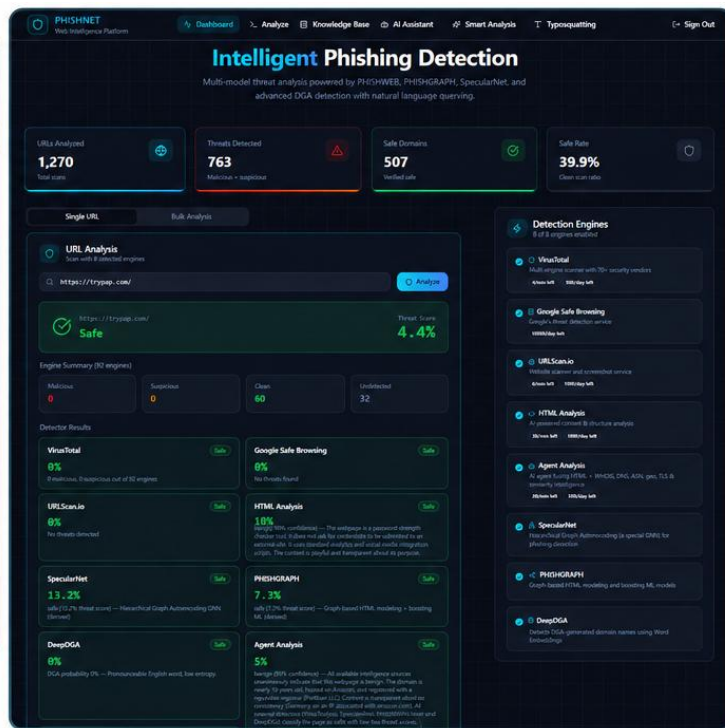
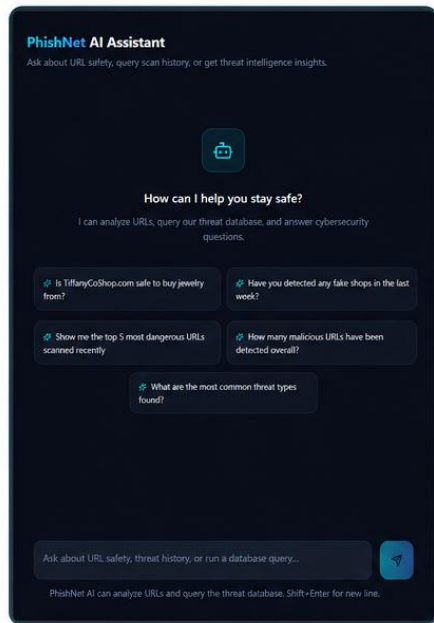
PHISHNET – An Agentic AI Platform for Web Phishing Detection

- **Detection tools** mostly provide blacklists, warnings, but **little explanation**
- Detection alone is no longer enough **users need understanding**
- **PHISHNET** helps users **understand the risks** behind their online decisions...
- ...transforming phishing detection **from simple warnings** into an interactive **AI-driven investigation** experience



The PHISHNET Platform – Your AI Assistant for Phishing Investigation

PHISHNET combines **advanced AI models** with **natural language interaction** and an **Agentic Engine** to detect, explain, and investigate web phishing threats



Ask in natural language

Ask any question about URL safety, threats, or recent activity, **provide context and intent**, etc.



Multi-model threat detection

Powered by **multiple AI engines**, including PHISHGRAPH, DeepDGA, SpecularNet, and more



Explainable results

Clear threat scores, detection verdicts, **human-readable explanations**



Investigate deeper

Explore related threats, query **PHISHNET knowledge DB**, analyze **external threat intelligence data**

PHISHNET – Time for a Quick Live Demo

We'll analyze a suspicious shop, dig deeper into other fake shops previously detected, and uncover clusters of related threats



Ask for a potential fake shop



Find similar sites



Get clear explanations



Obtain visual insights



Dig deeper



Actionable intelligence



<https://phishnet-agent.eu/>




PHISHNET Live Demo

Let's investigate a **potentially fake** hotel booking site



URL to analyze
spahotel.guru

 **Potentially Suspicious**

The screenshot shows the homepage of spahotel.guru. At the top, there is a navigation bar with links for HOME, ROOMS, SERVICES, GALLERY, and CONTACT, along with a 'BOOK NOW' button. The main header features the SPA HOTEL logo and a large banner with the text 'Luxury Stay. Unbeatable Prices.' Below this, a sub-header reads 'Book your perfect getaway with exclusive discounts up to 70% OFF!'. A booking form is visible with fields for 'Check-in' (May 24, 2025), 'Check-out' (May 26, 2025), and 'Guests' (2 Adults), and a 'CHECK AVAILABILITY' button. A circular badge in the bottom right corner of the banner area says 'Limited Time Offer 70% OFF'. At the bottom of the page, there are icons for 'Best Price Guarantee', 'Free Cancellation', 'Secure Booking', and '24/7 Support'.

Hey PHISHNET,

*I'm planning a summer holiday with my family and I found a website called **spahotel.guru** offering luxury spa hotels at **discounts of up to 70%**.*

*The **deals look amazing**, but honestly, they **seem a bit too good to be true**.*

*Do you think **it's safe for me to use my credit card** on this website?*

What's Next for PHISHNET

- PHISHNET is part of a **broader effort to improve web safety and large-scale Internet analysis**
- **Media Intelligence Platform:** detection of **AI-generated fake contents**, fake news, polarization speech, and more



Get in touch interested

We'd love to connect, share more details, and explore how PHISHNET can support your needs



Open for collaborations to run large-scale studies

We welcome partners to collaborate on large-scale evaluations, real-world datasets, and new research initiatives



Assessing multiple LLMs for the best trade-off

We are actively evaluating multiple LLMs to find the optimal balance between performance, quality, and cost

Thank you

Any questions?

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