

HACK JKLU 2.0



Name of Participants-

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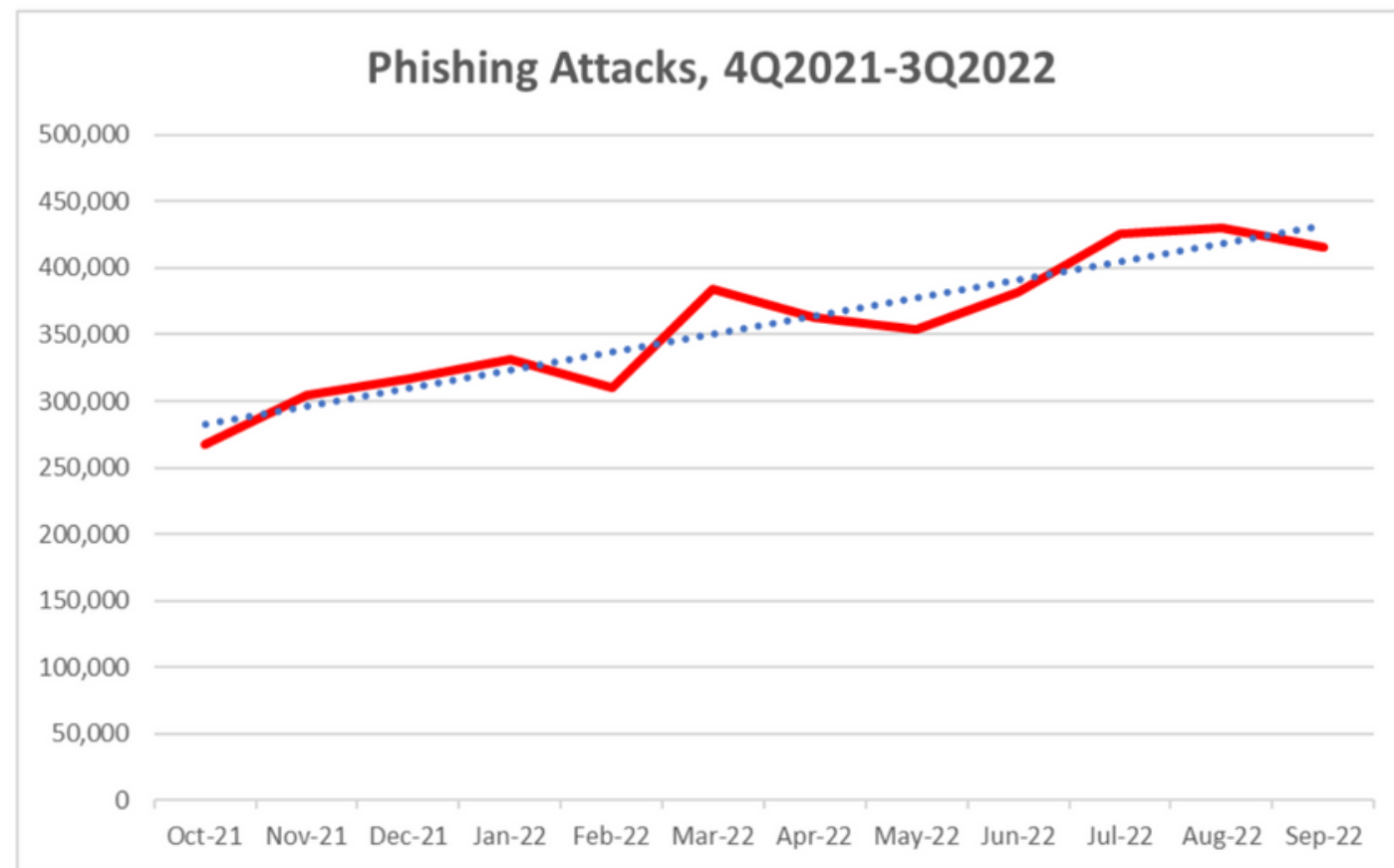
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Problem Statement

To develop a phishing alert solution that can accurately detect and flag potential phishing URLs on Web Page and display the percentage of similarity between the links on the Web Page and known phishing URLs

Phishing Activity Trends Report, 3rd Quarter 2022



- Phishing attack increased by 60%

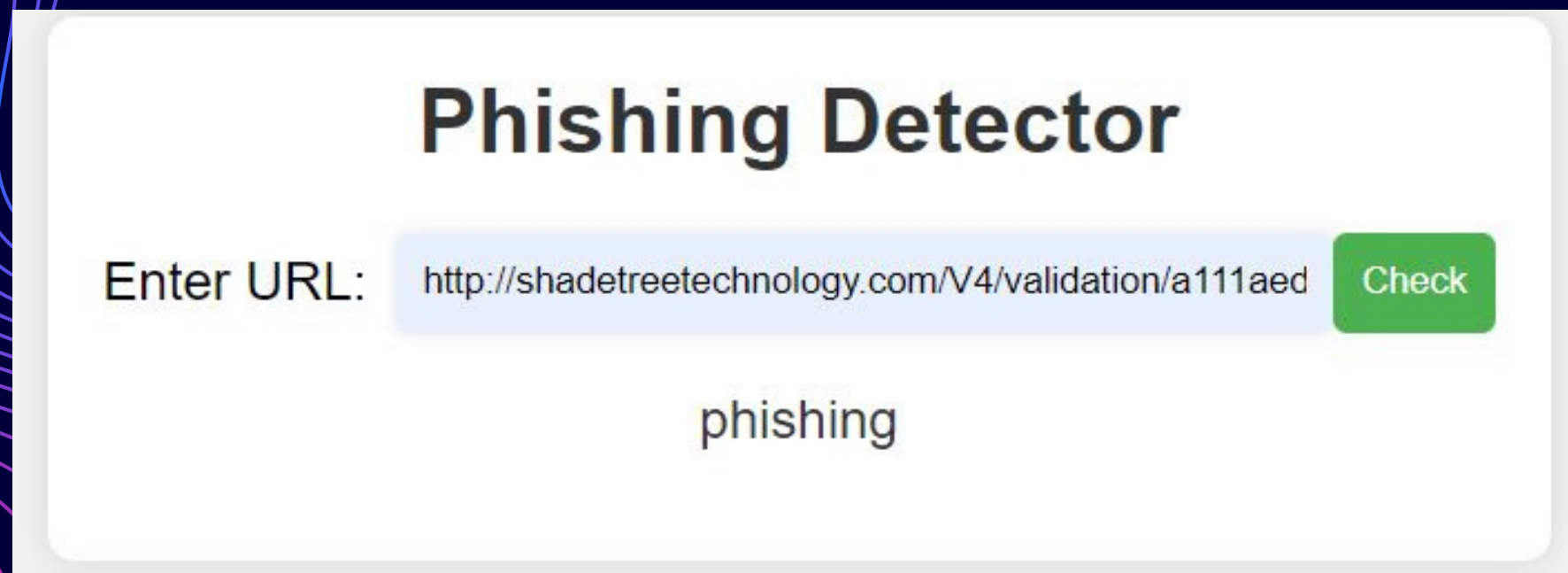
Methodology & Technology

- Chrome Extension
- Web Scraping
- Checking the scrapped links with existing one's
- JavaScript
- HTML
- Python

SOLUTION

For the above problem statement the solution that we came up is-

- We firstly collected/scrapped all the links on a web page
- We then compared the links with a dataset of existing phishing links
- Then, gave each link an similarity percentage
- Also, flagged the most prominent phishing link present on the web page



Phishing Detector

Enter URL:

phishing



Phishing Detector

Enter URL:

Innovation

The show stopper of our solution is-

Existing

- The existing phishing checker just highlight the phishing links
- Also, in the existing one's the user has to manually enter the link to check the threat

Our's

- Our extension not only highlight the phishing link but also tell the similarity percentage
- Also, the extension itself scrap all the possible links on a web page and check them from the dataset
- And also in future it generates a report for the user

Future Scope

- Target Audience- frequent web user
- Ambition-
 1. Adding all the new threats/ vulnerabilities to our extension
 2. Creating a large database of the threats