Project Title: Phishing Sites Prediction Using Machine Learning

Project Design Phase-I - Solution Fit Template

Define CS, fit into CC

1. CUSTOMER SEGMENT(S)

E-commerce website users and online payment platforms.

CS

6. CUSTOMER

- If Internet connection fails, this system won't work.
- All websites related data will be stored in one place.

5. AVAILABLE SOLUTIONS

- Payment portal alert
- Malicious website url detection
- Estimating authorized websites

Explore AS, differentiate

Focus on J&P, tap into BE,

2. JOBS-TO-BE-DONE / PROBLEMS

- Predict good urls and bad urls
- Deploy model using fast api
- Scrape the url using beautiful soup

9. PROBLEM ROOT CAUSE

- Detecting malicious websites
- Prevent from giving personal information like email and phone number to hack the bank account
- Awareness to people regarding the payment portal before paying.

7. BEHAVIOUR

- Check if the url is good or bad
- Tells if the website is safe for payment

Focus on J&P, tap int, understand

3. TRIGGERS

Detect whether the website is authorized or unauthorized

4. EMOTIONS: BEFORE / AFTER

Before: Unsafe

After: Safe

10. YOUR SOLUTION

Predict if the url is good or bad. The url is scraped using beautiful soup library and logistic regression is used to predict if the url is good or bad.

8.CHANNELS of BEHAVIOUR

8.1 ONLINE

- Deploy model using fast api
- Web scraping the url

8.2 OFFLINE

- Visualise the dataset
- Predict if the website is good or bad.

Identif