

Project Title: Ethical Phishing Simulation Platform

Introduction

Phishing is one of the most common social engineering attacks. This project simulates a phishing campaign for ethical and educational purposes, helping users identify malicious login pages and develop awareness.

Abstract

This Flask-based project presents a fake login form, captures input (email + password), logs it with timestamps, and redirects the user to an awareness page. The intention is to simulate how real phishing works — but in a safe, controlled setup.

Tools Used

- Python
- Flask
- HTML/CSS
- CSV (for storing logs)

Steps Involved

1. Designed a login form using HTML and CSS.
2. Built a Flask backend to log user input with timestamps.
3. Saved all data in `submissions.csv`.
4. Displayed an awareness message post-submission to educate users.
5. Deployed and tested locally for demonstration.

Conclusion

This project demonstrates how phishing attacks are executed and the importance of awareness. It is a useful educational tool for cybersecurity workshops, employee training, or personal learning.