

# Problem Statement

## What?

Phishing detection is checking URL for IP address, and checking redirection of the user's information. In this model we collect the information from datasets and apply traditional algorithms in machine learning.

## Why?

A phishing attack can have devastating effects on your business, including data loss, financial loss, compromised credentials, and malware and ransomware infection. So to avoid these we use ML.

## When?

The attacks can occur at any time while surfing through the internet, receiving unwanted emails and messages, in banks providing fake credentials can occur phishing.

## How?

Machine learning methods were imported using the Scikit-learn library. Each classification is performed using a training set, and the performance of the classifiers is evaluated using a testing set.

## Where?

The web phishing detection system can be used in web browsers , email and authentication systems.