

Project Design Phase-II Technology Stack (Architecture & Stack)

Date	5 november, 2022
Team ID	PNT2022TMID26273
Project Name	WEB PHISHING DETECTION
Maximum Marks	4 Marks

Technical Architecture:

The Deliverable shall include the architectural diagram as below and the information as per the table1 & table

Working of Web Application:

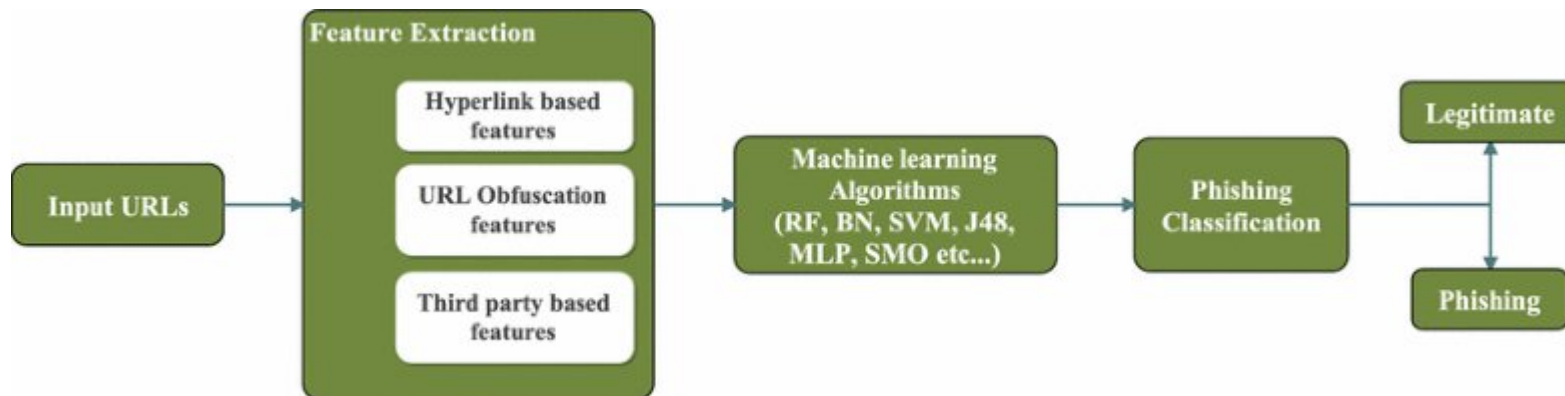


Table-1 : Components & Technologies:

S No	Component	Description	Technology
1.	User Interface	User's interacts with application as a website	HTML, CSS
2.	prediction of phishing website	Detecting the phishing websites in the dataset	Python-Flask
3.	Dataset	Provided by the IBM team	IBM Watson STT service
4.	Storage	Store the contents of the web application	IBM Watson Assistant
5.	Cloud Database	Database Service on Cloud	IBM cloud.
6.	Machine Learning Model	Purpose of Machine Learning Model	Decision tree, Random Forest.
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration Cloud Server Configuration	Local, IBM Cloud .

Table-2: Application Characteristics:

S No	Characteristics	Description	Technology
1.	Open-Source Frameworks	ScKitLearn package from Python	Machine Learning
2.	Security Implementations	Squatting techniques	Cyber Security.
3.	Scalable Architecture	Technical architecture	Used in low performance systems
4.	Availability	Using a mobile device, laptop or a PC	Can be available using internet connections.
5.	Performance	Moderate performance	Based on users input.