

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

Date	14 October 2022
Team ID	PNT2022TMID35546
Project Name	Project – Web Phishing Detection
Maximum Marks	4 Marks

Technical Architecture:

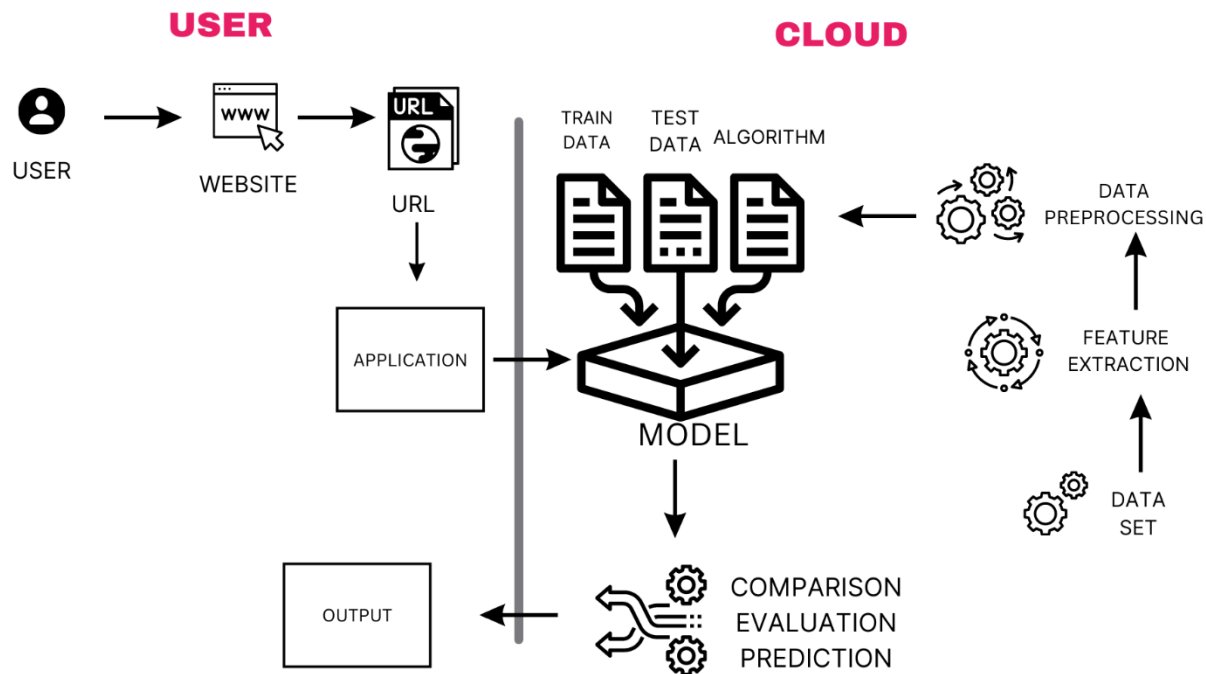


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI, Mobile App, Chatbot etc.	HTML, CSS, JavaScript/ React Js etc.
2.	Application Logic-1	Logic for a login	Flask (Python)
3.	Cloud Database	Database Service on Cloud	IBM Watson
4.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem
5.	Machine Learning Model	Purpose of Machine Learning Model	Logistic regression, decision tree, rain forest
6.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, Render, IBM cloud.

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Sckit Learn package in Python that deals with ML algorithms	Machine Learning
2.	Security Implementations	Typosquatting, Cybersquatting	Cybersecurity
3.	Scalable Architecture	3-tier	MVC model
4.	Availability	It can balance the load traffic among the servers to help improve uptime. Can scale applications by adding or removing servers, with minimal disruption to traffic flows.	IBM Cloud Load Balancers
5.	Performance	It provides performance feedback such as page size and how long it takes to load a page, and can show the impact new features have on the performance of the site.	Blacklists/whitelists, Natural language Processing, Visual similarity, rules, machine learning techniques, etc