

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

Date	16 October 2022
Team ID	PNT2022TMID26927
Project Name	Project - 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 2

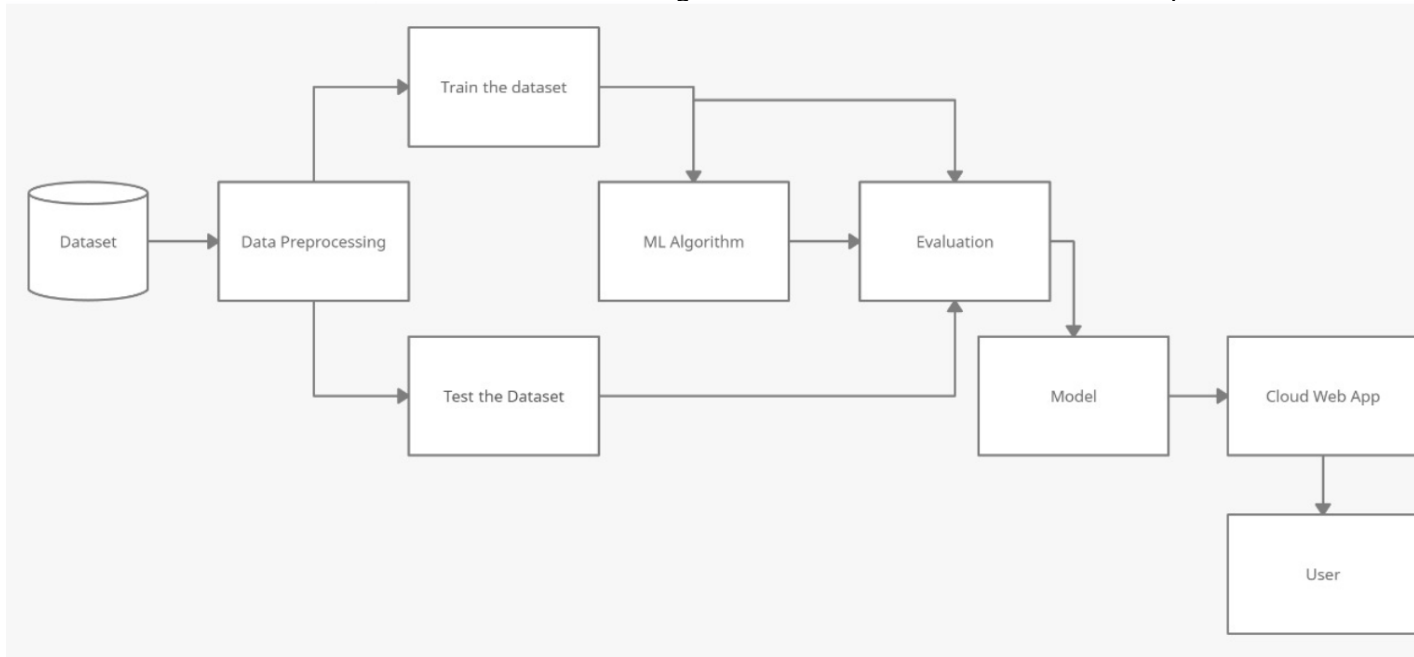


Table-1: Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	Web Application, Cloud UI, any web browser interface	HTML, CSS, JavaScript / Angular Js / React Js etc.
2.	Application Logic-1	Machine Learning Algorithms such as Random Forest, Decision Tree ,	Java / Python
3.	Application Logic-2	Speech can be transcribed to text by IBM Watson	IBM Watson STT service
4.	Application Logic-3	Natural language can be understood by IBM Watson assistant	IBM Watson Assistant
5.	Database	Stored Procedure	MySQL, NoSQL, etc.
6.	Cloud Database	Database Service on Cloud	IBM DB2, IBM Cloudant etc.
7.	File Storage	File storage requirements	IBM Block Storage or Other Storage Service or Local Filesystem

Table-2: Application Characteristics:

S.No	Characteristics	Description	Technology
1.	Open-Source Frameworks	Flask framework	Machine Learning
2.	Security Implementations	Encryption and security measures are used	AES 256, Cofense PDR
3.	Scalable Architecture	Scalability is high due to accuracy provided by the model and Responsive UI/UX	React Framework, jQuery, Bootstrap, Cloudfare
4.	Availability	Available at NLP, Spam Detection, Blacklisting or Reporting, and machine learning techniques	Acunetix, Intruder, Ghost Phisher
5.	Performance	Better performance	Deep Learning