

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

Date	20 November 2023
Team ID	SI-GuidedProject-611244-1700554953
Project Name	ZOMBIE DETECTOR:Using ML To Save Lives During A Zombie Apocalypse

Technical Architecture:

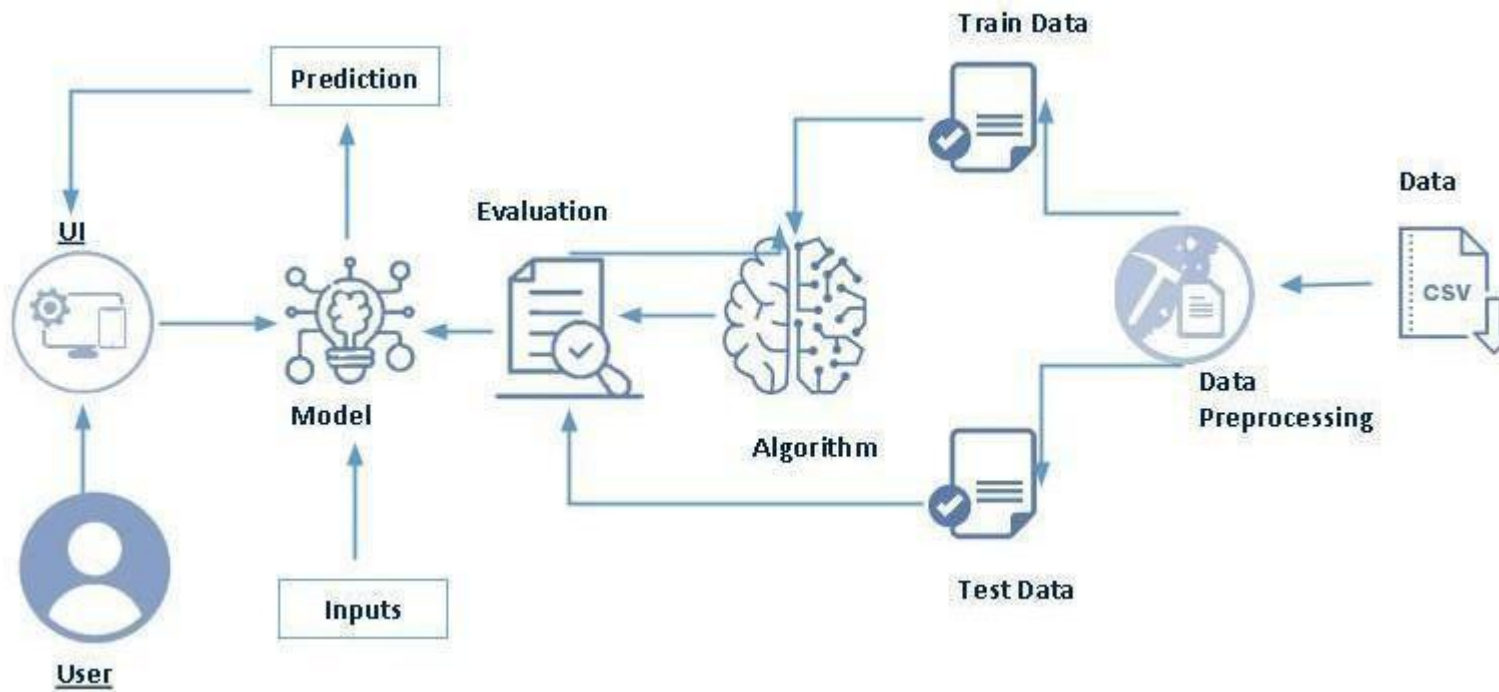


Table-1 : Components & Technologies:

S.No	Component	Description	Technology
1.	User Interface	How user interacts with application e.g. Web UI	HTML, CSS, JavaScript
2.	Application Logic-1	Logic for a process in the application	Python
3.	Database	Collect the Dataset Based on the Problem Statement	File Manager, Excel

4.	File Storage/ Data	File storage requirements for Storing the dataset	Local System, Google Drive Etc
5.	Frame Work	Used to Create a web Application, Integrating Frontend and Back End	Python and Flask
6.	Machine Learning Model	Purpose of Model	DecisionTrees, RandomForest,LogisticRegression.
7.	Infrastructure (Server / Cloud)	Application Deployment on Local System / Cloud Local Server Configuration: Cloud Server Configuration :	Local, jupyter lab,google cloud.

Table-2: Application Characteristics:

S.N o	Characteristics	Description	Technology
1.	Open-Source Frameworks	open-source frameworks used	Python's Flask
2.	Security Implementations	all the security / access controls implemented, use of firewalls etc.	No such security assessments done.
3.	Availability	Justify the availability of application (e.g. use of load balancers, distributed servers etc.)	Application is hosted on open github pages for maximum availability