

TechnologyArchitecture

Date	18October2022
TeamID	PNT2022TMID39850
ProjectName	Project–UniversityAdmitEligibilityPredictor
MaximumMarks	4Marks

TechnicalArchitecture:

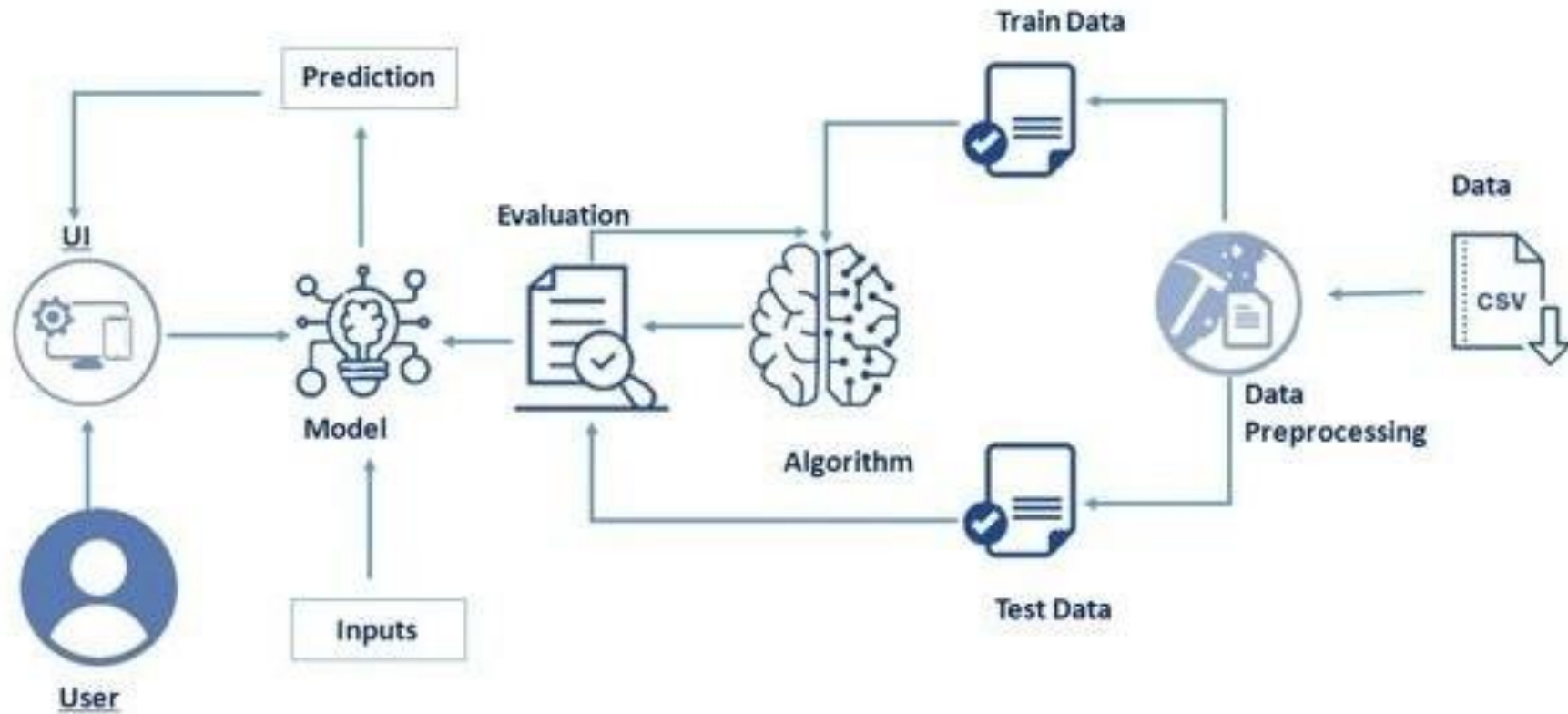


Table-1:Components&Technologies:

S.No	Component	Description	Technology
1	UserInterface	TheFront-endpartoftheapplication	HTML,CSS
2	ApplicationLogic-1	Logicforaprocessintheapplication	Python
3	ApplicationLogic-2	Logicforaprocessintheapplication	IBMWatson
4	ApplicationLogic-3	Logicforaprocessintheapplication	IBMWatson
5	Database	Datatype,Configuration	MySQL
6	CloudDatabase	Databaseservicesoncloud	IBMDB2,IBMCloudant,etc.
7	Libraries	ImportLibrariesintodata	Numpy,Pandas,Seaborn,Matplotlib
8	FileStorage	Filestoragerequirements	LocalFileSystem
9	MachineLearningModel	PurposeofMachineLearningModel	AdmissionPredictionModel
10	Trainingandtestingdata	Purposeoftrainingandtestingdata	LogisticRegressionalgorithm
11	Accuracy	Accuracyofthetestedandtraineddata	RootMeanSquaredLogarithmicError(RMSLE),MeanSquaredError(MSE)
12	Infrastructure	CloudLocalServerConfiguration	Local

Table-2:ApplicationCharacteristics:

S.No	Characteristics	Description	TechnologiesUsed
1	Open-SourceFrameworks	Listtheopen-sourceframeworksused	FlaskFramework
2	SecurityImplementations	Theuserprofilehasbeenstoredinasecuredway	Encryptions
3	ScalableArchitecture	Manycomputationscanbedoneinamoresavingandeffectiveway	LogisticRegression
4	Availability	Ourwebapplicationisavailableatanytimeandatanyplace	IBMLoadBalancer
5	Performance	Aslogisticregressionisappliedtodevelopthepowerfulperformancewillbemoreeffective	LogisticRegression

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