Model Development Phase

Date	03-10-2024
Team ID	LTVIP2024TMID24892
Project Title	Liver Patient Identification – prediction of liver patient
Maximum Marks	5 Marks

Feature Selection Report :

Feature selection plays a important role in Improves Model Performance, Reduces Training Time, Increases Model Interpretability, Facilitates Better Data Understanding.

Feature	Description	Selected (Yes/No)	Reasoning
Age	Age is an important factor in liver disease diagnosis.	Yes	Liver disease can affect people of different ages.
Total Bilirubin	Total bilirubin is a key indicator of liver function.	Yes	Elevated levels can indicate liver disease.
Direct Bilirubin	Direct bilirubin is a specific type of bilirubin that is directly conjugated with glucuronic acid.	No	Elevated levels can indicate liver disease but not accurately.

Alkaline Phosphatase	Alkaline phosphatase is an enzyme that is elevated in liver disease	Yes	This feature can be used as a diagnostic marker.
Gender	Male or Female	Yes	-
Total Protein	Can be used to indicate liver disease	Yes	Elevated levels can indicate liver disease.
Alanine Aminotransferase	Alanine aminotransferase is an enzyme that is elevated in liver disease	Yes	This feature can be used as a diagnostic marker.