Project Design Phase-I

Solution Architecture

Date	03-11-2023
Team ID	Team-592036
Project Name	Online Payments Fraud Detection Using ML

Solution Architecture:

Online Payment Fraud Detection is a critical task in the financial industry to protect both customers and businesses from fraudulent transactions. Logistic regression is a simple yet effective machine learning algorithm that can be used for binary classification tasks, such as distinguishing between legitimate and fraudulent online payment transactions. Below is a solution architecture for Online Payment Fraud Detection using Logistic regression:

- Data Collection (Transaction DB) and Data Preprocessing
- Feature Scaling (Normalize or standardize numerical features to ensure they have the same scale)
- Model Selection and Model Training
- Real-Time Scoring
- Alerting and Monitoring

Solution Architecture Diagram: