

IndustriAl Hackathon 2025

REDEFINING CREDITWORTHINESS: REAL-TIME RISK INSIGHTS WITH ALTERNATIVE DATA

Problem Statement Code: Real-Time Credit Risk Assessment Using Alternative Data

Team Name: Quantum Coders

Institution Name: Sri Jayachamarajendra college of Engineering

Github: https://github.com/KChandraSekhar265/CreditScore

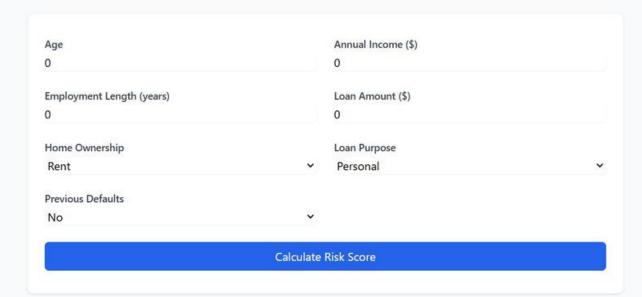


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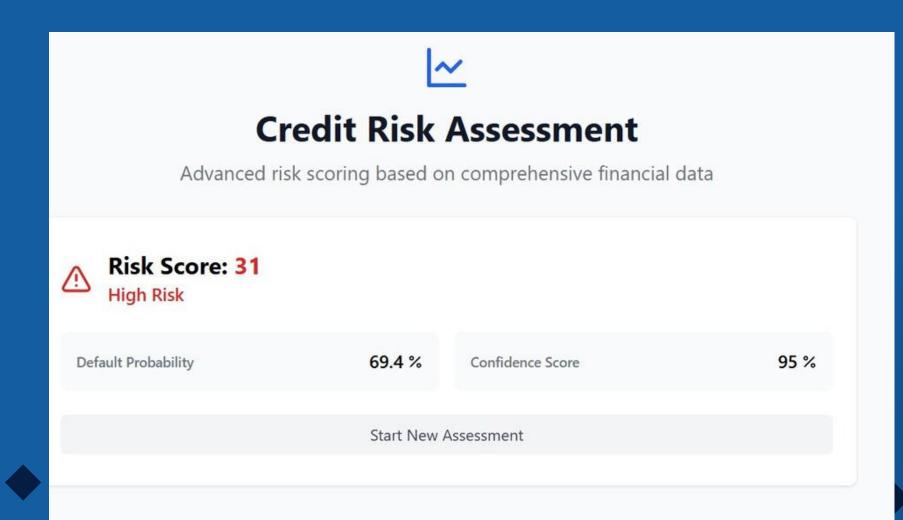


Credit Risk Assessment

Advanced risk scoring based on comprehensive financial data

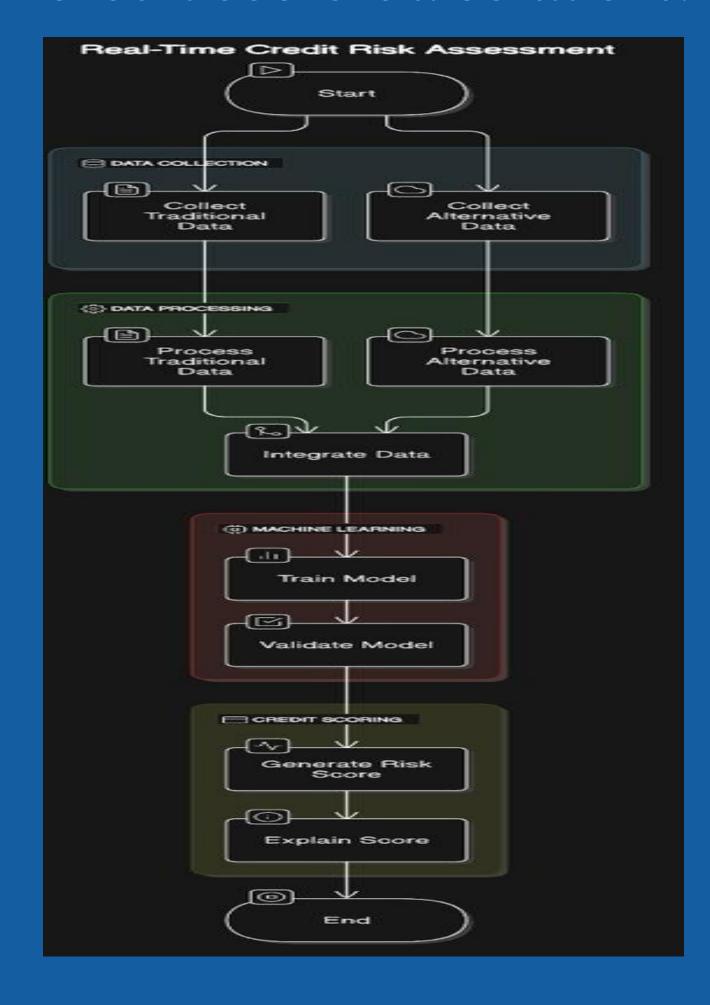


PROTOTYPE





Credit Score Calculations:



Traditional Data: Credit scores, debt levels, and income **Alternative Data**: Social media sentiment, utility payment records, and spending behavior.

Metrics: Evaluate model performance using metrics like Accuracy, Precision, Recall, and F1-Score. Visualize results through a confusion matrix or AUC-ROC curve.

Transparency: Ensure the model is explainable (using SHAP values or feature importance), fair, and compliant with data privacy regulations like GDPR.

