



Use Case 3: Credit Risk Analysis

Presented by
Team-07



CréditVue

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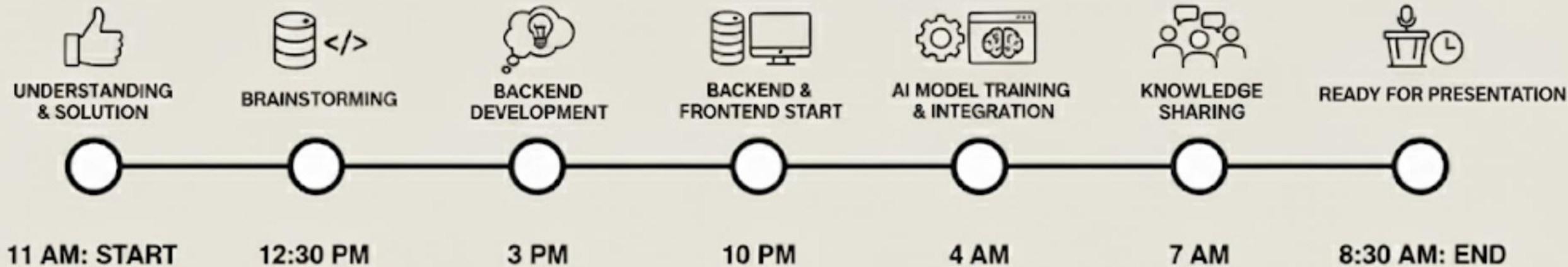
Problem Statement:

- **Slow, Inaccurate Processing:** Manual reviews and outdated models cause long delays and result in **inaccurate evaluations** of credit and loan applications.
- **High Business Risk:** This inefficiency leads to **frustrated customers**, higher rates of loan **defaults**, and ultimately, **lost growth opportunities** for the institution.

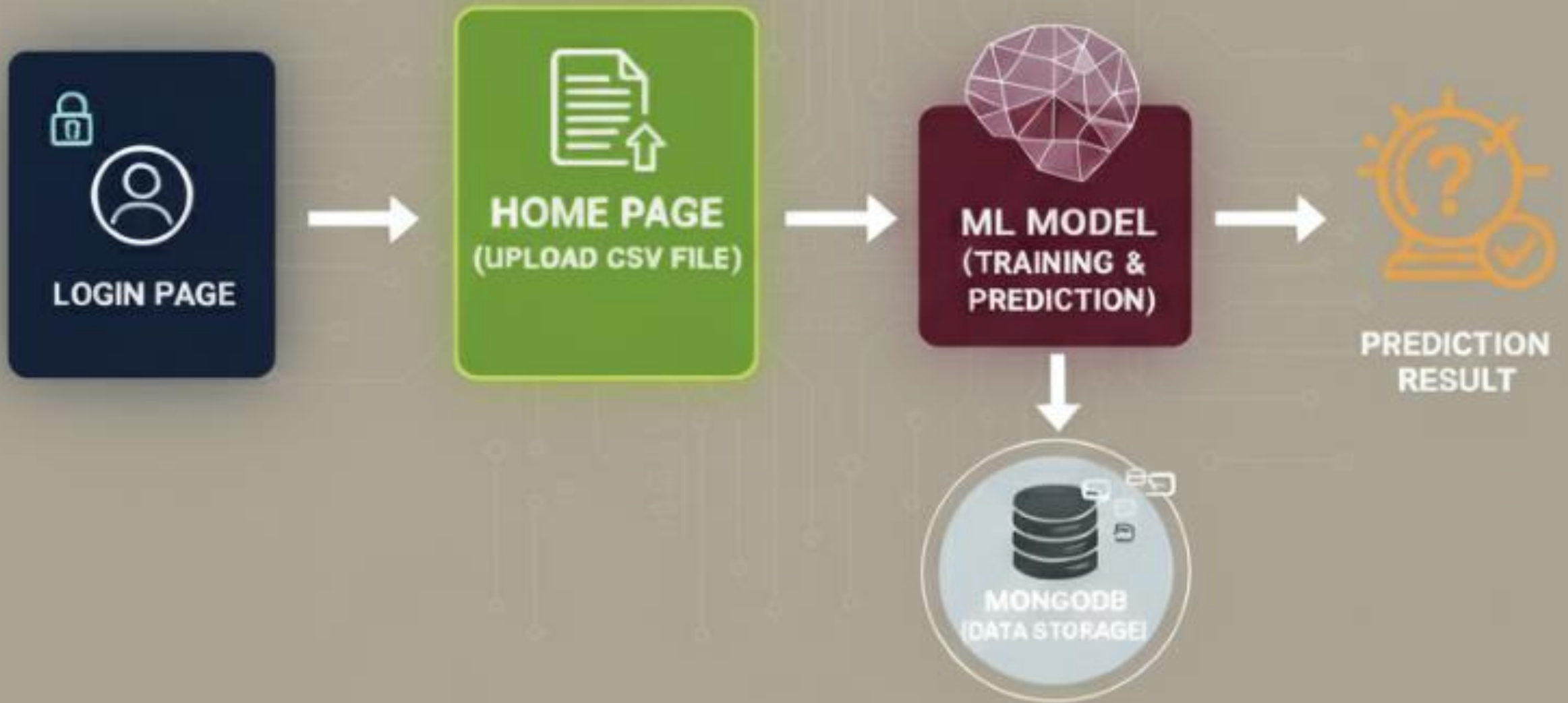
Proposed Solution:

Web application that integrates an ML model to process multiple customer data, delivering real-time risk factor predictions.

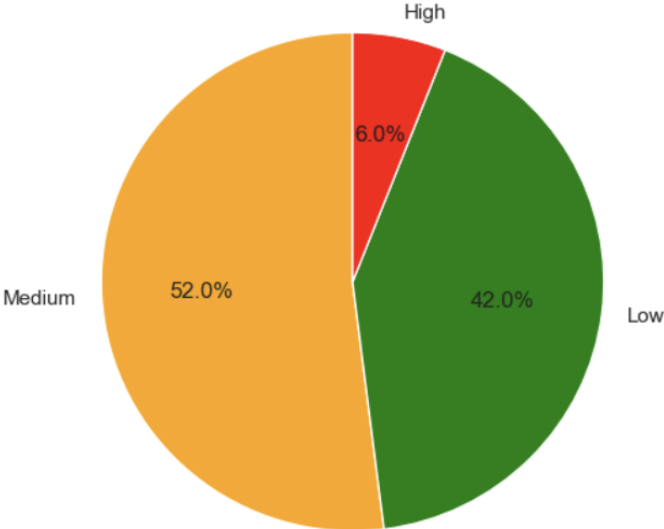
Timeline:



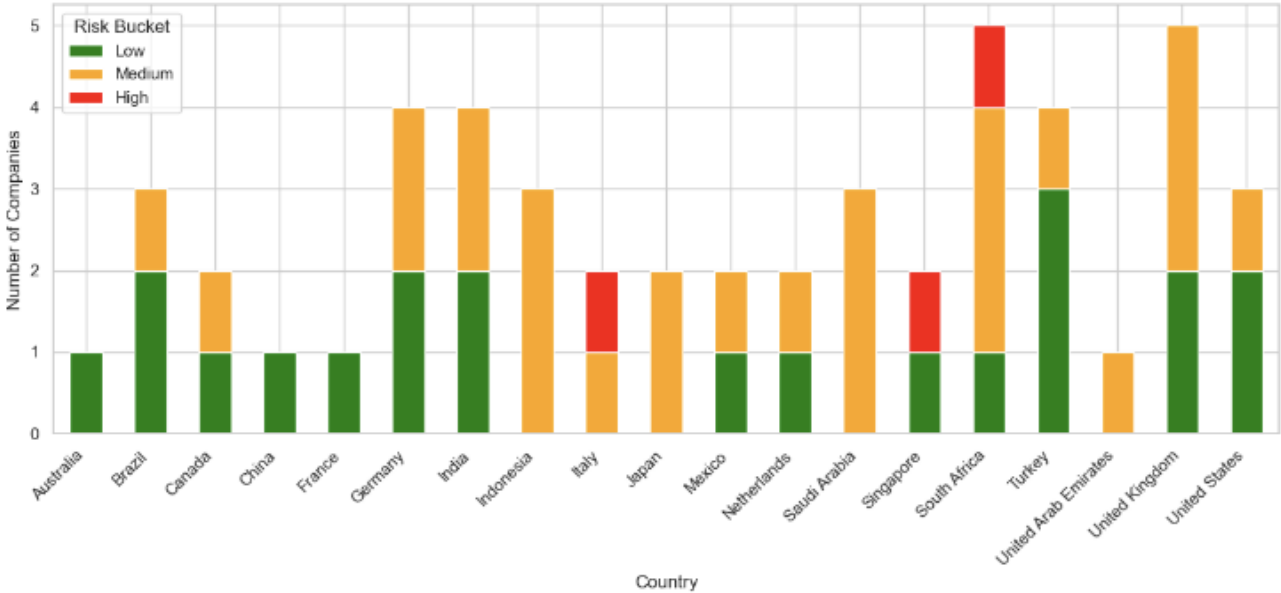
End-to-End Data Pipeline



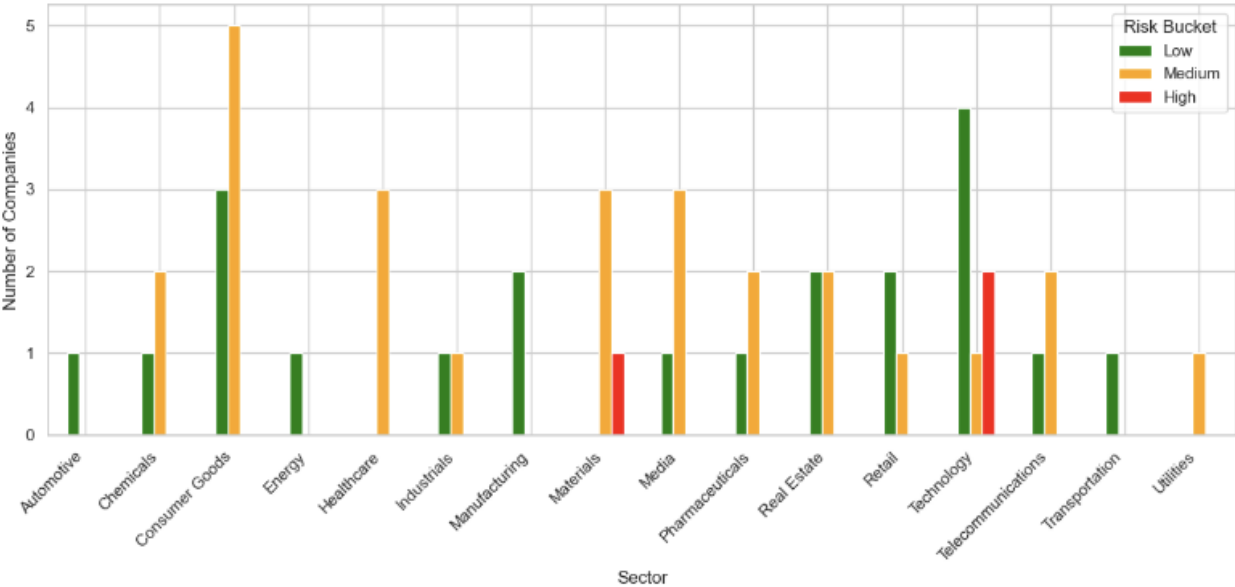
Distribution of Companies by Risk Bucket



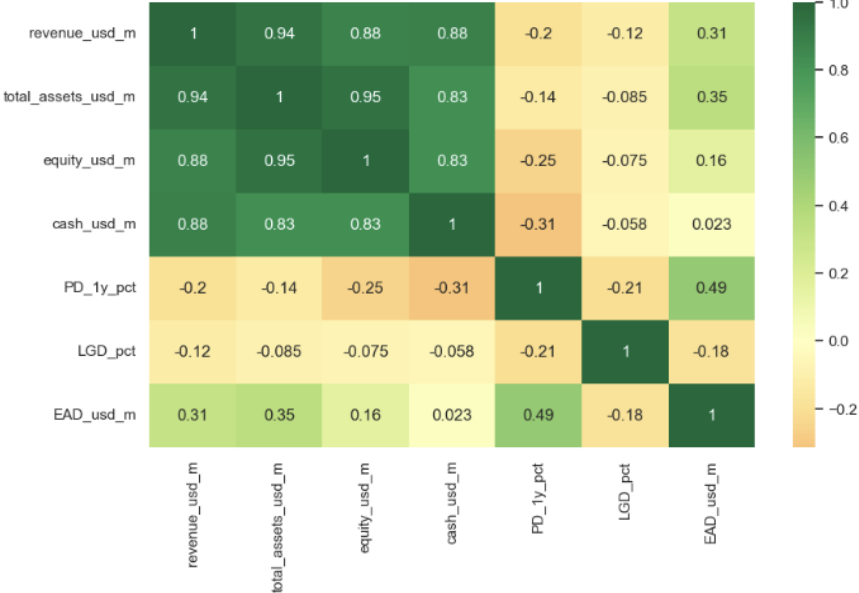
Risk Buckets Across Countries



Risk Buckets Across Sectors



Correlation Heatmap of Financial Indicators



Uniqueness Of Our Solution

- It works for multiple customers at a time
- Microservice based application
(Loosely coupled services)
- Scalable using MongoDB for large database management.
- User Authentication using Firebase



Thank you

