

## **SYMBIOSIS INSTITUTE OF TECHNOLOGY (SIT)**

B.Tech Project Poster AY 2025-26

Project ID: 01

Project Title: BUSINESSLENS - SMART SAAS ANALYTICS DASHBOARD

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BusinessLens is an intelligent SaaS-based analytics platform designed for businesses to provide real time analytics, data visualization, and AI-powered recommendations. The system is developed using the MERN stack and integrates OpenAI with Stripe for billing automation and data processing.



To build an AI-powered system that automates data understanding, cleaning, and insight generation from structured business data without requiring technical expertise.



# Smart File Up

Smart File Upload & Auto-Parsing

files and automatically parses rows and columns to detect structure.

3.

### Automatic Data Cleaning

Detects and corrects common data issues like nulls, formatting inconsistencies, and type mismatches.

**5**.

#### Business Insight Generation

Converts cleaned and structur data into useful business insigh

2.

## Column Header

Correction with LLMs

Uses OpenAl to identify and correct misnamed or missing

4.

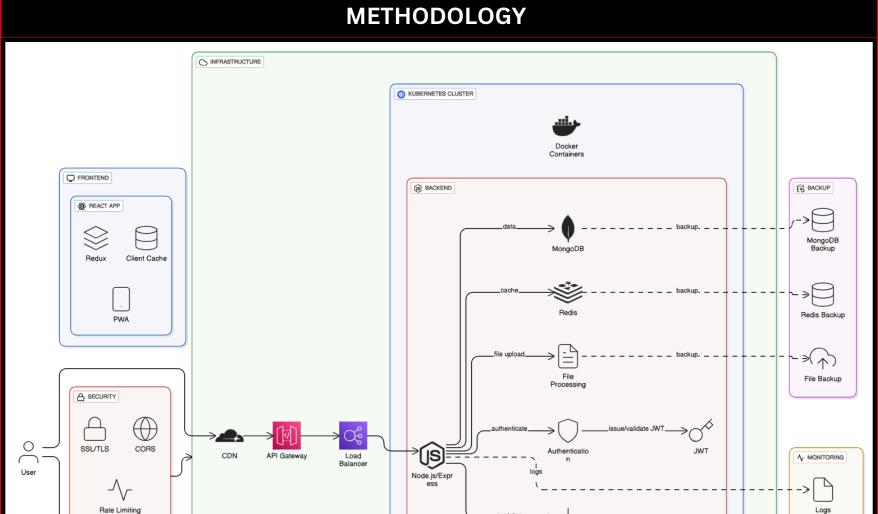
#### Semantic Column Classification

Classifies columns (e.g., metrics, dimensions, time) using contextual cues and LLM-based

6.

#### Dynamic Chart & Visualization Suggestion

Recommends appropriate chart types (e.g., bar, pie, line) based on the data's nature and distribution





Analytics Engine



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