



# DatOS

TEAM NAME: CODE ASSASSINS

**THEME: PRODUCTIVITY AND  
NETWORKING**

# PROBLEM STATEMENT

Disorganised data can create various challenges in different contexts. here are some specific problems related to disorganised data in each of these scenarios

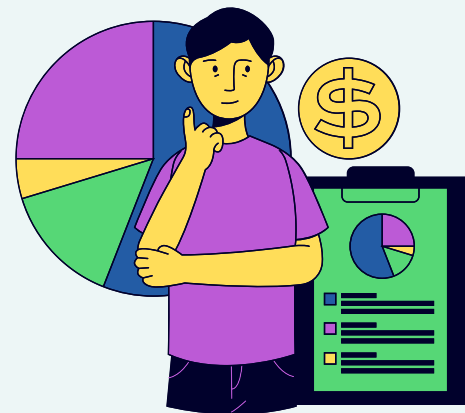


## **1. NGOs facing challenges regarding child welfare and donation of resources**

## **2. Shopekeepers facing challenges in tracking sales**



## **3. Difficulty in government sector data handling leads to inefficient policy formulations**



# OUR APPROACH

## **1). Utilizing Untapped Data for Valuable Insights:**

- applying ML algos & libraries to extract, process, and analyze data to get insights
- access to patterns, trends, and behaviors
- predicting trends, identifying correlations

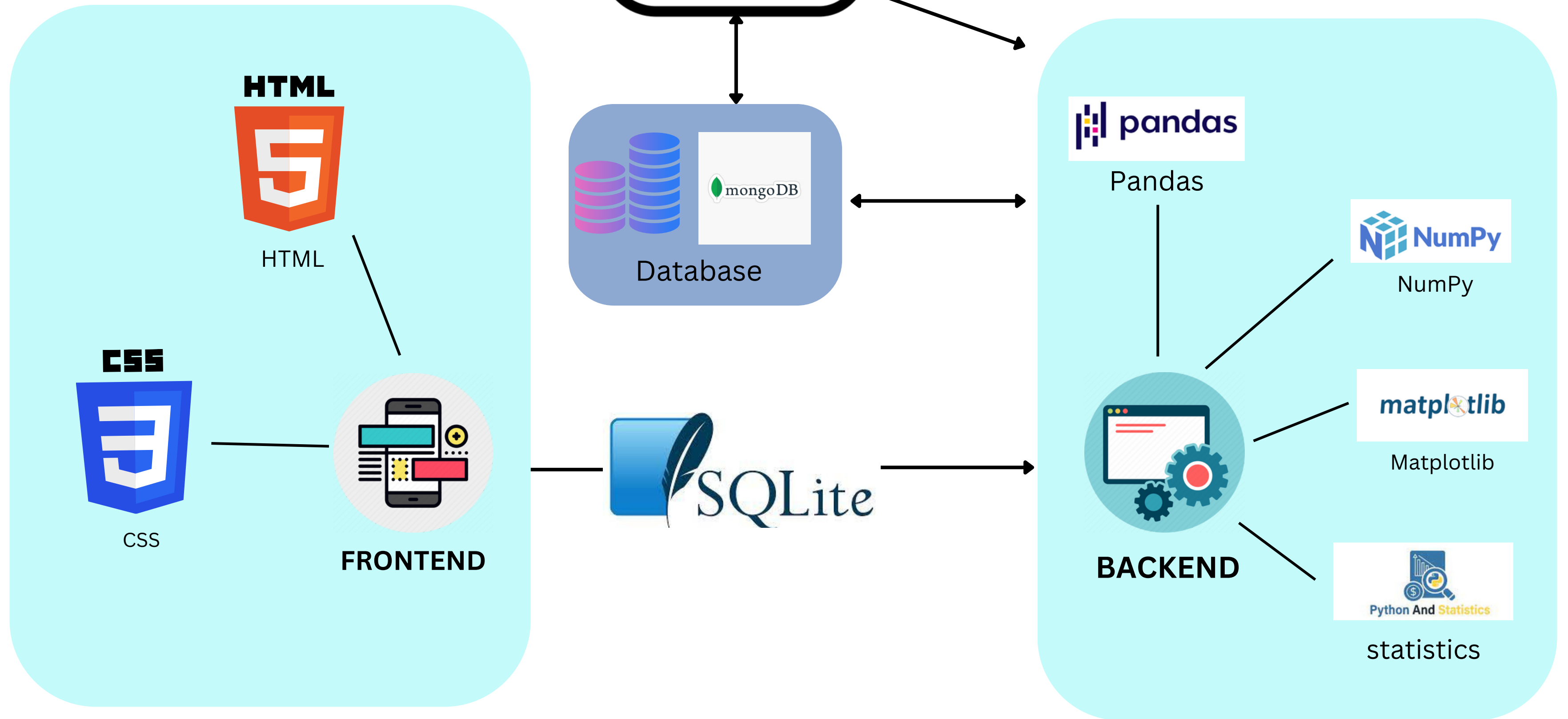
## **2).Interactive Data Visualization for Performance Analysis:**

- user-friendly and interactive tools like bar graphs & charts
- users can track and analyze their performance over time
- access to trends, fluctuations, and performance indicators, facilitating better decision-making and strategy planning.

## **3). Insight Generation:**

- insights such as predictions, classifications, anomaly detection, or trends .

# TECH STACK:





# USE CASES

## FOR SMALL SCALE BUSINESSES/ RETAILERS

OPTIMIZING  
INVENTORY  
MANAGEMENT

DEMAND  
FORECASTING

RESOURCE  
OPTIMIZATION

COSTUMER  
INSIGHTS

## FOR NGOs

RESOURCE  
ALLOCATION FOR  
MAX IMPACT

TRACK PROGRESS  
AND IMPACT OF  
INITIATIVES

TRANSPARENCY BY  
DONOR ENGAGEMENT

ATTRACT  
COLLABORATION &  
PARTNERSHIPS

## FOR UNDERDEVELOPED OR RURAL AREAS

IMPROVING PUBLIC  
SERVICES

DISASTER  
PREPAREDNESS &  
RESPONSE

INFRASTRUCTURE  
DEVELOPMENT

SUSTAINABLE  
DEVELOPMENT

## FOR GOVERNMENT

INFORMED DECISION  
MAKING

EFFIECIENT RESOURCE  
ALLOCATION

EMERGENCY PLANNING  
AND RESPONSE

TRANSPARENCY AND  
ACCOUNTABILITY