

# Project Roles & Responsibilities

## Backend & Machine Learning

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- Developing and maintaining the backend architecture to ensure seamless data flow and efficient processing.
- Implementing hypothesis tests and machine learning models to extract insights from the data.
- Ensuring backend services provide structured and optimized responses for frontend consumption.
- Ensuring backend logic supports frontend functionalities efficiently.

## Data Cleaning & Frontend

*Akshan Krithick, Smeet Dedhia, Zhansaya Ussembayeva*

- Cleaning, preprocessing, and structuring raw data to ensure consistency and usability.
- Handling missing values, and data transformation for better model performance.
- Developing and refining the frontend interface to provide an intuitive and user-friendly experience.
- Ensuring that data visualization components are properly integrated into the frontend.

## Content for Blog, Hosting, & Frontend

*Everyone*

- Contributing to the creation of informative and engaging blog content to document project progress and findings.
- Assisting in website hosting and deployment to ensure accessibility and reliability.
- Collaborating on frontend enhancements, debugging issues, and improving user interaction.