

STRAAT-O-SFEER



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INTRODUCTION

The aim of this project is to create an app that enhances road safety in the city of Breda.



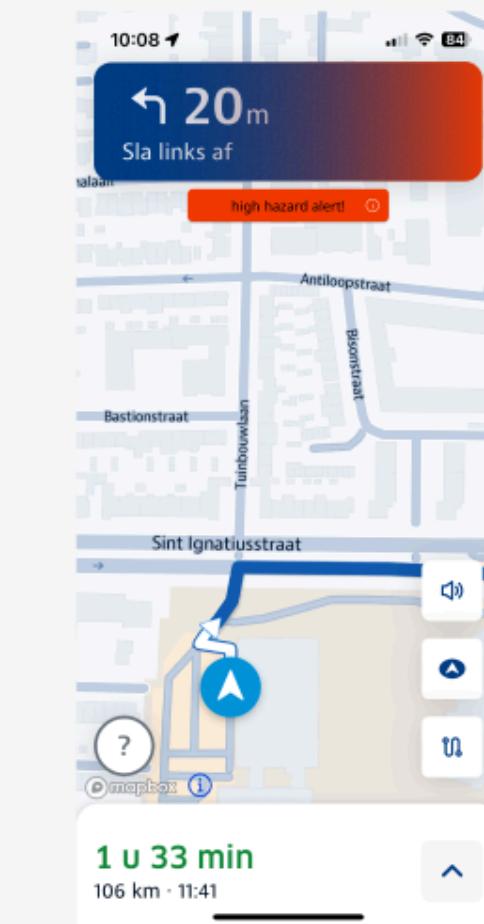
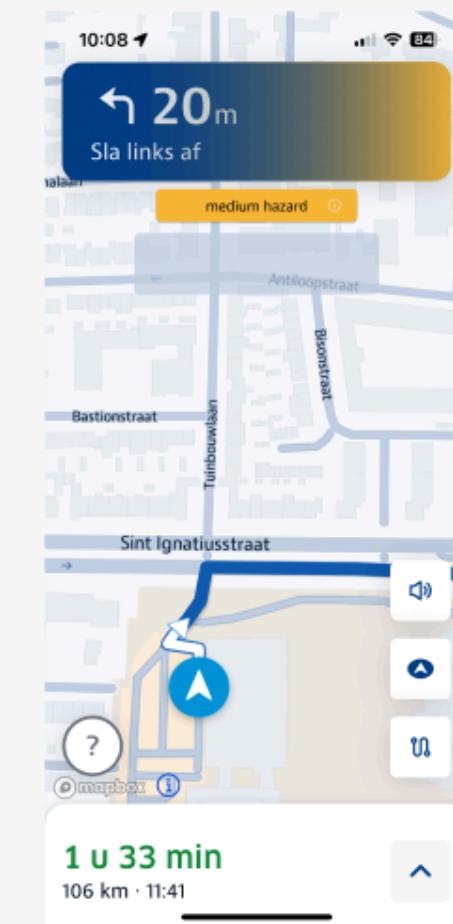
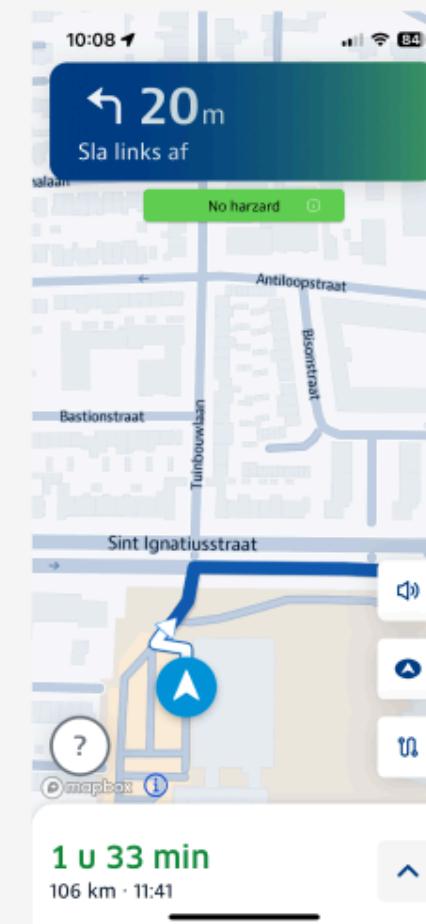
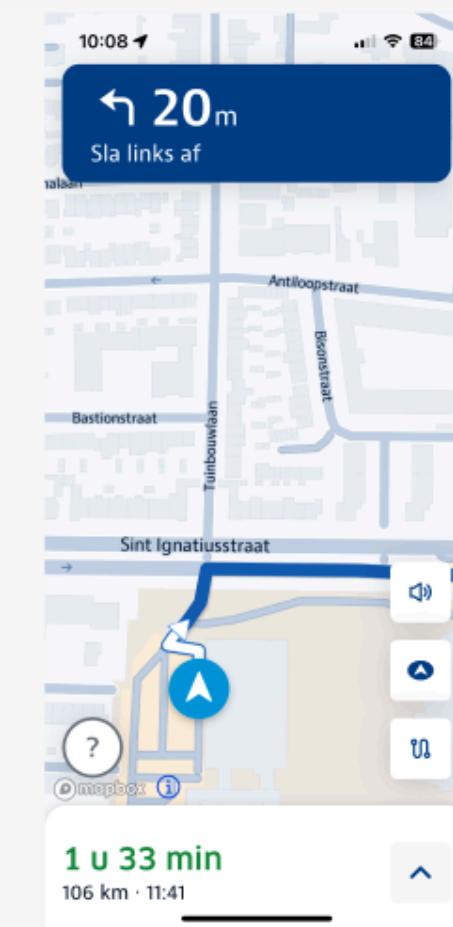


The project aims to reduce road incidents by creating an app using AI to alert users of hazardous areas.

Success will be measured by a decrease in incidents after the app's release.

Problem Statement





DATA DESCRIPTION



► *Incident Data*

Data from the ‘Safe Driving’ dataset provided by ANWB, which includes details on road incidents, their severity, timing, and type.

► *Environmental Data*

Datasets containing weather information like wind, precipitation, and temperature, as these can influence driving conditions and incident likelihood.

METHODOLOGY



► *Model Development*
Model Creation
Google Cloud Storage
Front-End

► *Integration & Storage*
API's
Google Cloud Storage
Flask

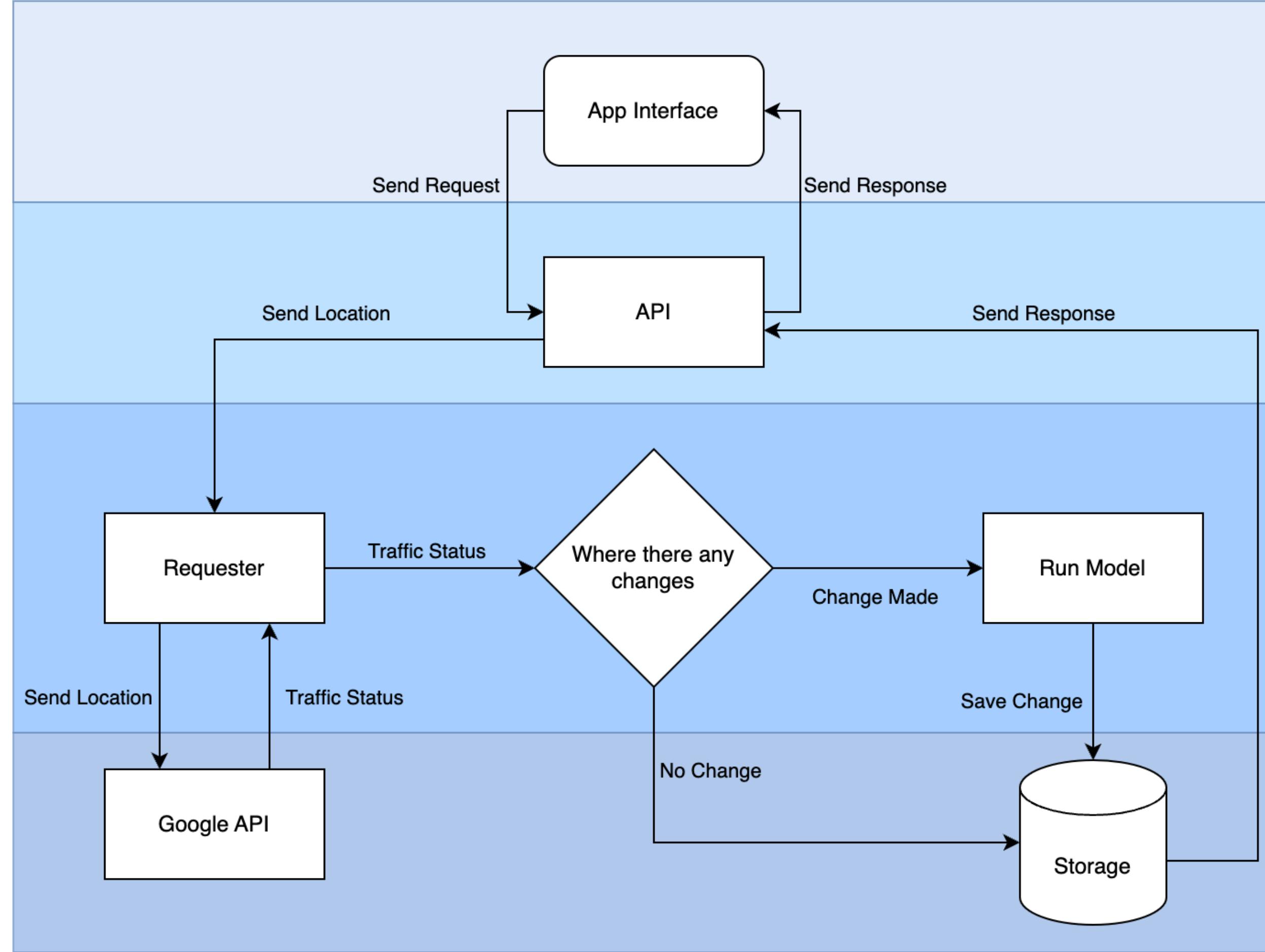
► *Application Deployment*
Deploy the Model using
Containers

Interface

Middle
Layer

Logic

Data





► *Level of Risk*

Limited Risk as per EU Law

► *Legal Obligations & Concerns*

Compliance with GDPR

System Availability and Reliability

Accuracy of Information

Disclaimer and User Agreement

Liability for Damages

► *Model Overview*

Data Ingestion

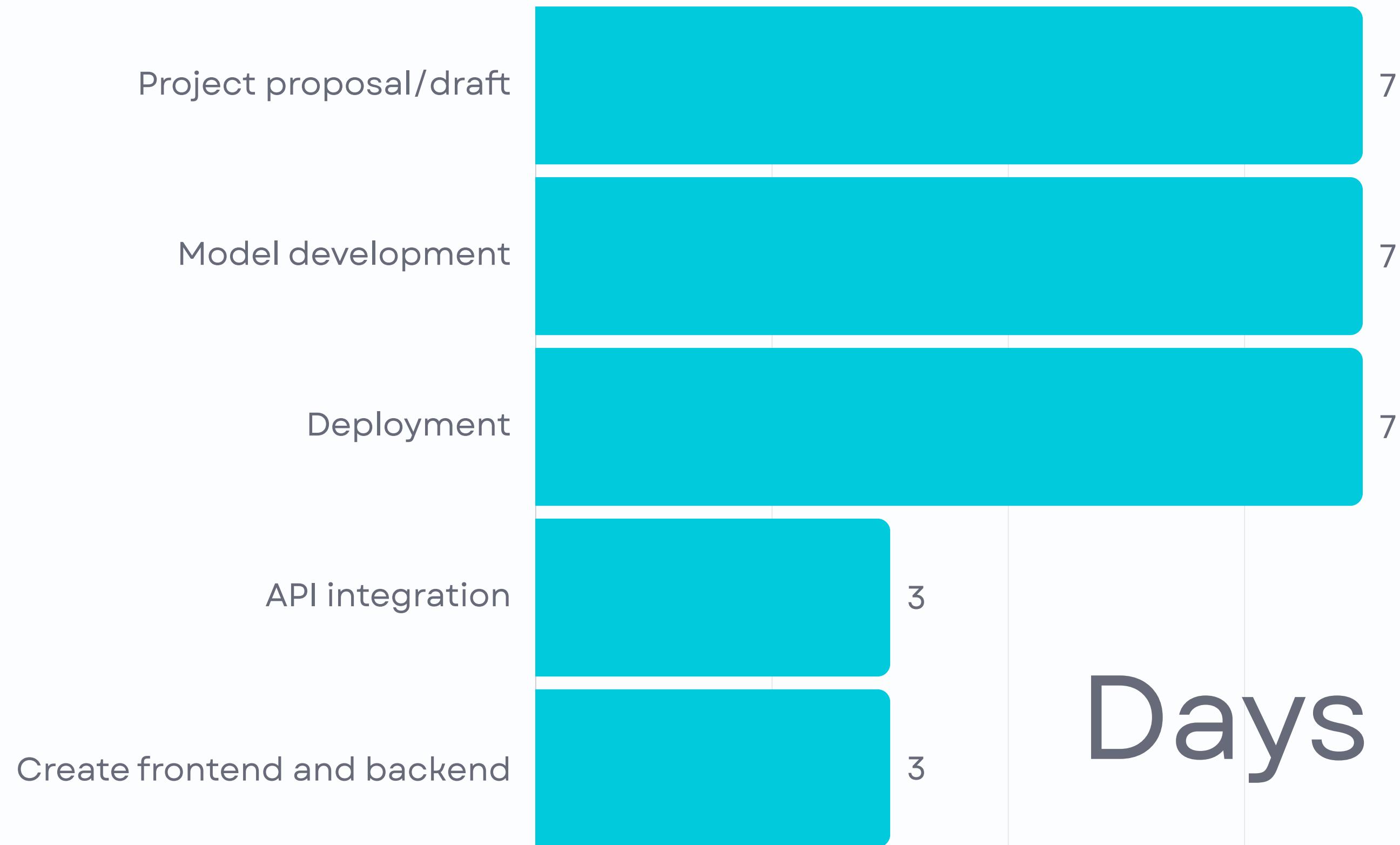
Data Processing and Storage

Machine Learning Pipeline

API Integration

Deployment

PROJECT TIMELINE





REFERENCES

Images

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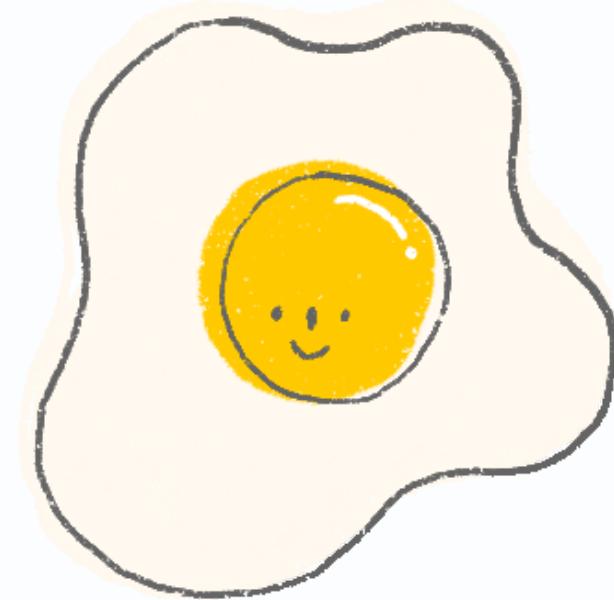
Meet Our Team



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