Customized for Lorem lpsum LLC Version 1.0



Overview

traffic signals and traditional rule-based systems fail to optimize traffic flow dynamically. Urban traffic congestion leads to significant time loss, pollution, and fuel consumption. Static

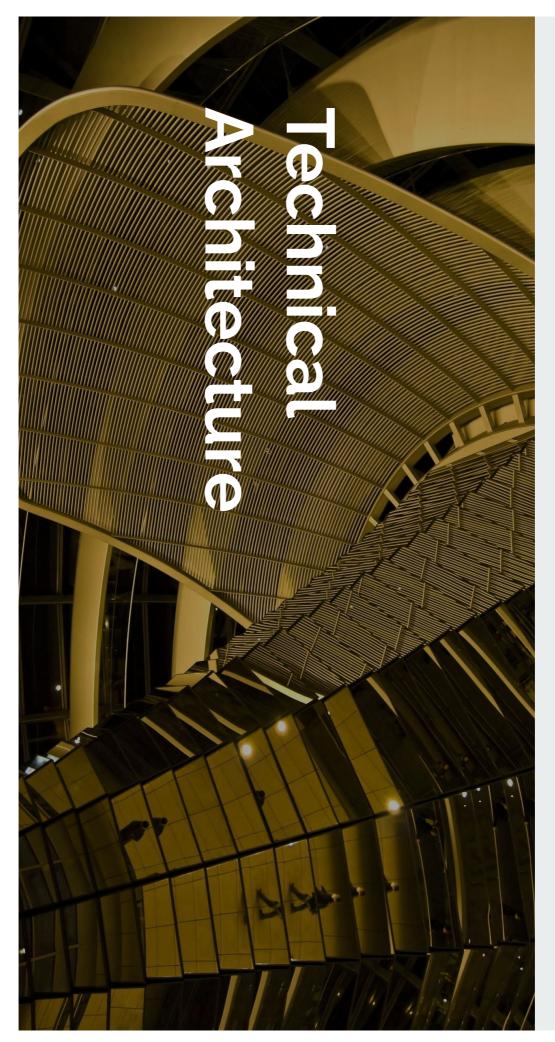
Challenge:

response times. collaborate to manage real-time traffic, reducing congestion and improving emergency vehicle Develop a multi-agent system where AI-powered traffic lights, smart vehicles, and drones

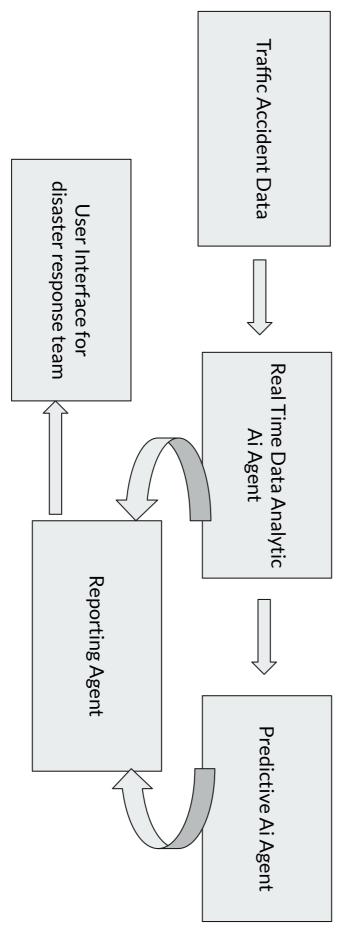


Solution Approach

vehicle will be nearby, fire department will plan accordingly and they will plan accordingly on how to response. For example, tow analytics and machine learning on where accident are likely to police will be nearby in zone that are considered at risk for an response team will receive a report and then from the report, happen. Base on result per a specific timeframe, disaster Multi Al agent system that perform real time predictive



Solution Architecture



Multi Ai Agent Workflow

- Database: Have a database that record all the accident that happen in the past as well as accident that is happen now
- Data Analytic Agent: Provide real time data analytic as traffic data are incoming and then will send analytic report to reporting agent.
- Predictive Ai Agent: Will receive data from the analytic Ai Agent and build a machine learning model that predict where accident are likely to happen. Prediction will be send to reporting Ai Agent.
- **Reporting Ai Agent** will send report to disaster response user interface.
- **Disaster response interface:** customer facing application

