Project Title: City Analysis & Citizen Services AI

1. Introduction

• Project title: City Analysis & Citizen Services AI
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2. Project Overview

The purpose of City Analysis & Citizen Services AI is to empower cities and residents to make informed decisions about crime index, accidents, and citizen services. By leveraging AI and real-time data, the system helps optimize urban management and improve citizen engagement. The platform provides insights, forecasting tools, and summaries of complex data for strategic planning and public awareness.

Features

• Crime Index & Accident Analysis: Real-time city safety insights.
• Conversational Interface: Natural language queries and guidance.
• Citizen Feedback Loop: Collects and analyzes feedback for improvements.
• Eco-Tip Generator: Recommends daily sustainable actions.
• User-Friendly Gradio Interface: Intuitive and responsive design.

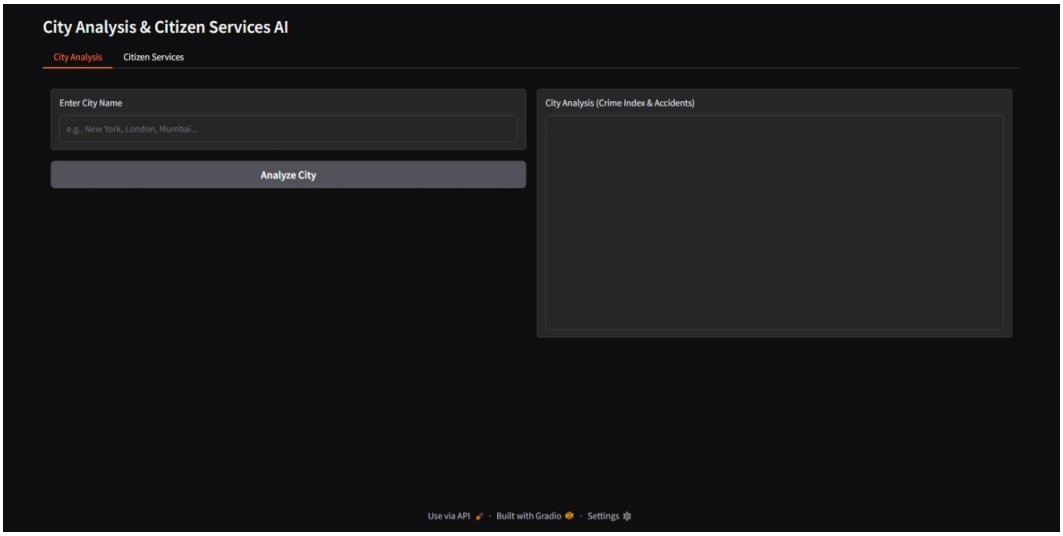
3. Architecture

Frontend: Built with Gradio, providing an interactive and modern web UI for city analysis and citizen services.
Backend: Powered by FastAPI for real-time processing and data handling.
LLM Integration: AI models process queries, generate insights, and forecasts.
Data Sources: Uses city crime index and accident datasets for analysis.

4. Setup Instructions

1. Install Python 3.9 or later and required libraries from requirements.txt.
2. Clone the repository and configure environment variables.
3. Run the FastAPI backend server.
4. Launch the Gradio frontend to access the application.

5. Screenshot



https://franklinm6081.github.io/ICEP6/

6. Future Enhancements

• Integration with additional data sources (traffic, weather, emergency alerts).
• Role-based authentication for secure access.
• Advanced forecasting and anomaly detection features.
• Mobile application support for on-the-go access.