Project Title

Project Documentation

1. Introduction

Project title : Citizen AI

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2. Project Overview

Purpose :

Citizen AI is designed to enhance the interaction between governments, communities, and individuals by enabling transparent, accessible, and intelligent citizen services. It uses Artificial Intelligence to help citizens easily access government information, provide feedback, and receive real-time guidance on civic issues. For officials, it supports decision-making, policy analysis, and public engagement.

Features:

• Conversational Interface: Natural citizen–government interaction. Citizens can ask questions, access government services, and receive responses in plain language.

• Policy Summarization: Simplified understanding of policies. Converts lengthy documents into easy-to-understand summaries.

• Feedback Collection: Community voice integration. Gathers public opinions and suggestions for better governance.

• Resource Guidance: Citizen assistance. Provides information about local facilities, emergency contacts, and welfare schemes.

• Transparency Dashboard: Accountability in governance. Displays real-time updates on projects, budgets, and development activities.

3. Architecture

Frontend (Web/App): User-friendly interface for citizens to interact, submit feedback, and access services.

Backend (API Services): Provides AI-driven features such as policy summarization, feedback analysis, and chatbot interaction.

AI Models: Used for natural language understanding, summarization, and sentiment analysis.

Database: Stores citizen queries, feedback, government documents, and analytics data.

4. Setup Instructions

Prerequisites:

Python 3.9+, Virtual environment tools, API keys for AI models, Internet access for cloud services

Installation Process:

• Clone the repository

• Install dependencies from requirements.txt

• Configure .env file with credentials

• Run backend server (FastAPI/Django/Flask)

• Launch frontend (React/Streamlit)

5. Folder Structure

App/ – Backend logic and APIs

Ui/ – Frontend interface

Models/ – AI models and scripts

Data/ – Documents, citizen feedback, policy records

Dashboard.py – Entry point for the main dashboard

6. Running the Application

➢ Start backend API server

➢ Launch frontend UI

➢ Citizens can log in, ask queries, submit feedback

➢ Officials can view reports, analytics, and citizen insights

7. API Documentation

• POST /ask – Citizen queries answered by AI

• POST /upload-policy – Upload and summarize government policies

• GET /feedback – Retrieve citizen feedback reports

• GET /dashboard – Transparency data on ongoing projects

8. Authentication

Token-based authentication (JWT)

Role-based access (citizen, official, admin)

G. User Interface

Chatbot window for citizen interaction

Dashboard with service updates

Feedback forms

Policy summaries view

Report download option

10. Testing

Unit Testing: For AI responses and summarization

API Testing: With Postman/Swagger

Manual Testing: For UI workflows

Edge Case Handling: Large documents, incomplete inputs

11. Future Enhancements

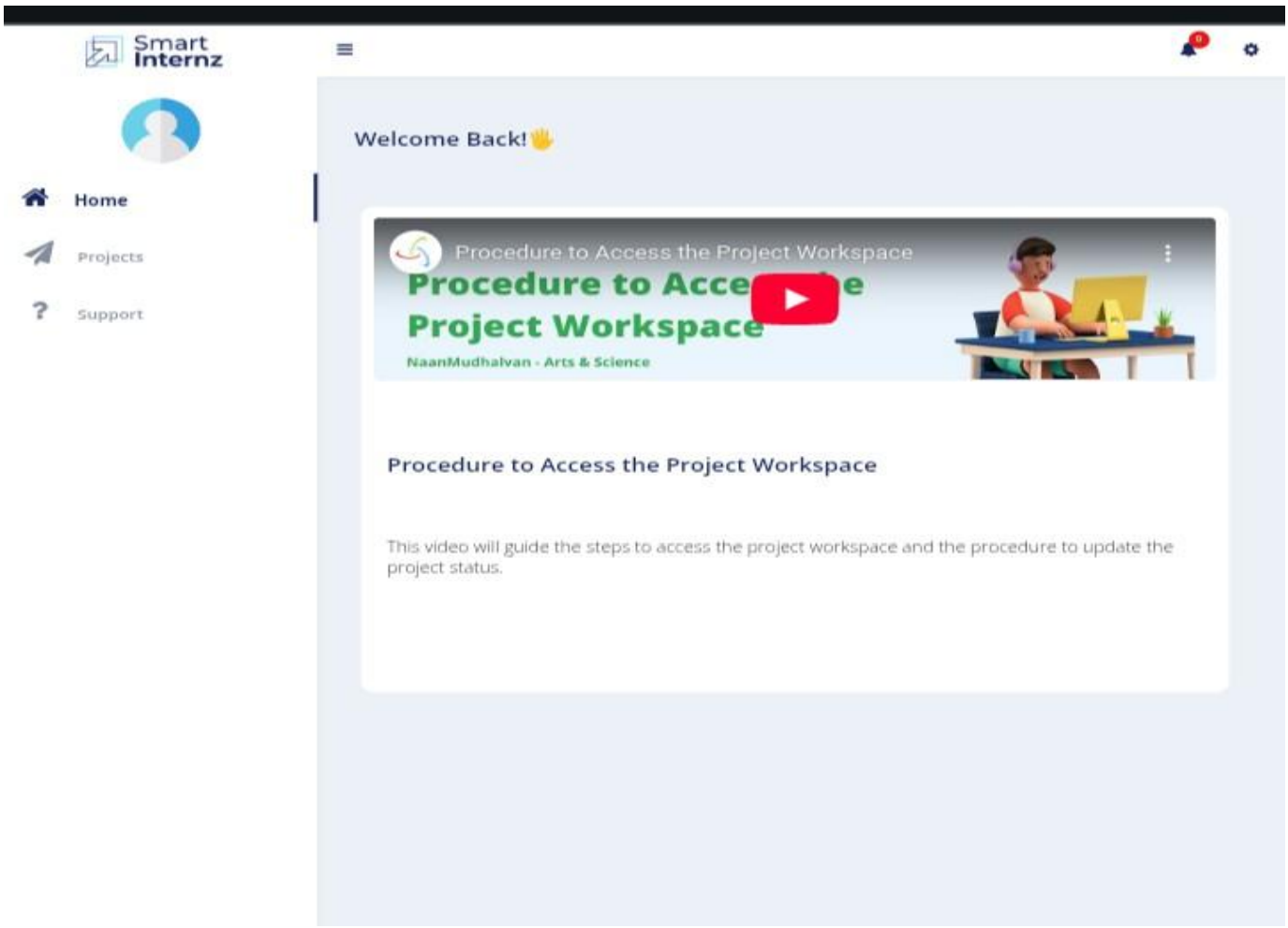
• Voice-enabled citizen queries

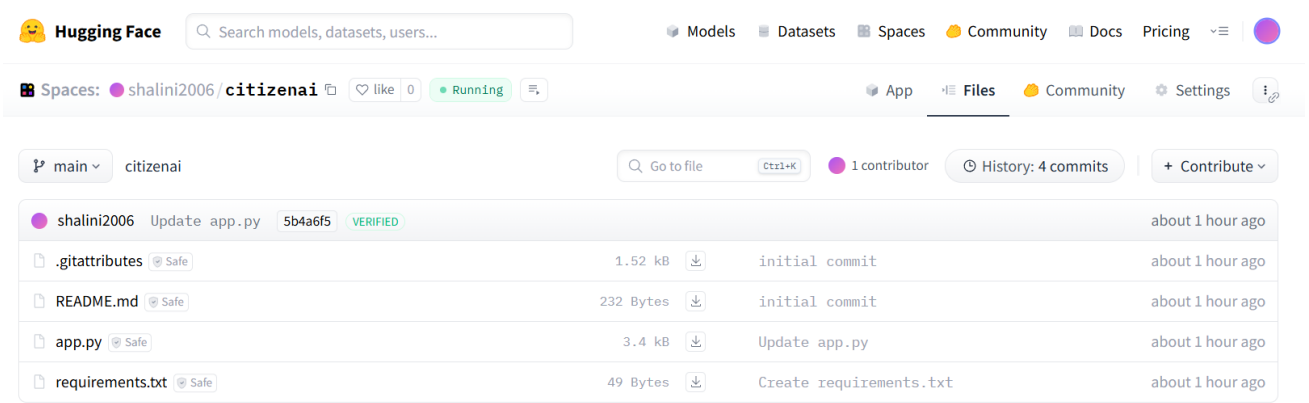
• Regional language support

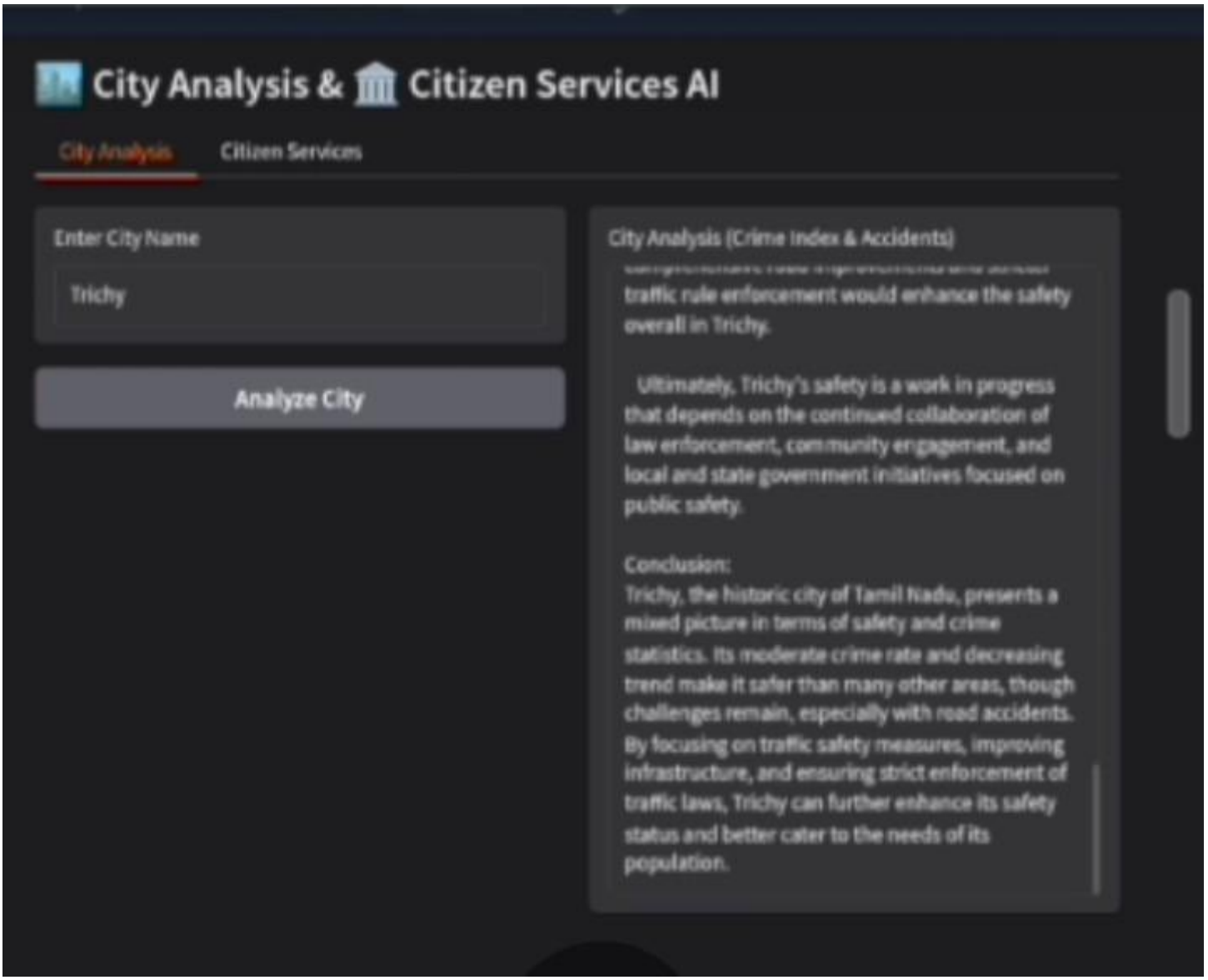
• Integration with local government portals

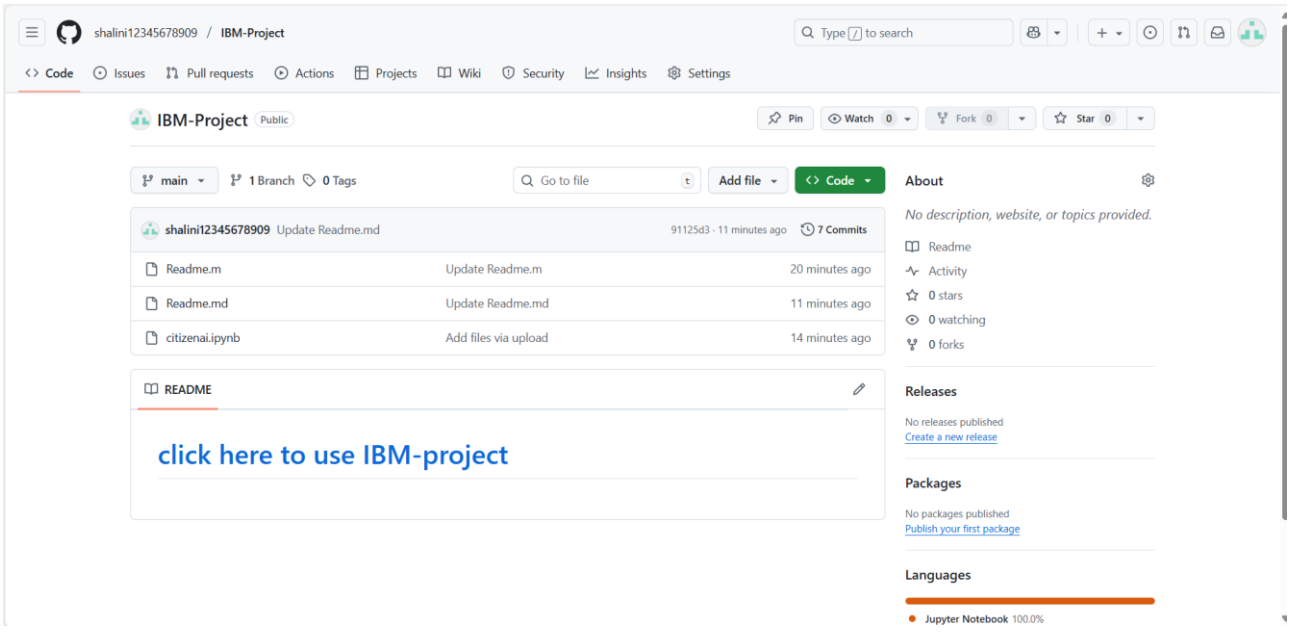
• Predictive analysis for urban planning

12. Screenshots






City Analysis & Citizen Services AI
City Analysis
Citizen Services
Enter City Name
Trichy
Analyze City
City Analysis (Crime Index & Accidents)
traffic rule enforcement would enhance the safety overall in Trichy.
Ultimately, Trichy's safety is a work in progress that depends on the continued collaboration of law enforcement, community engagement, and local and state government initiatives focused on public safety.
Conclusion:
Trichy, the historic city of Tamil Nadu, presents a mixed picture in terms of safety and crime statistics. Its moderate crime rate and decreasing trend make it safer than many other areas, though challenges remain, especially with road accidents. By focusing on traffic safety measures, improving infrastructure, and ensuring strict enforcement of traffic laws, Trichy can further enhance its safety status and better cater to the needs of its population.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Code
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About
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Activity
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Releases
No releases published
Create a new release
Packages
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Languages
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13. Known issues

1. Limited Language Support – The system currently works only in English, which restricts accessibility for citizens who prefer regional languages.

2. Data Privacy Concerns – Handling citizen queries and feedback may involve sensitive information, requiring stronger encryption and compliance with privacy regulations