

CommunityInsight.AI

Turning Community
Voices into Action



COMMUNITYINSIGHT.AI

TURNING COMMUNITY VOICES INTO ACTION

PROBLEM

Local orgs lack tools to interpret public data, missing funding & policy alignment

TECH



GPT-4-turbo +
Embeddings+ Chroma
+ LangChain

FOR GOOD IMPACT

Empowers all communities with actionable, affordable insights

SOLUTION



LLM-powered insights from social media, civic data, surveys

ETHICAL AI

Public/consented data only
Transparent
Multilingual support

ASK

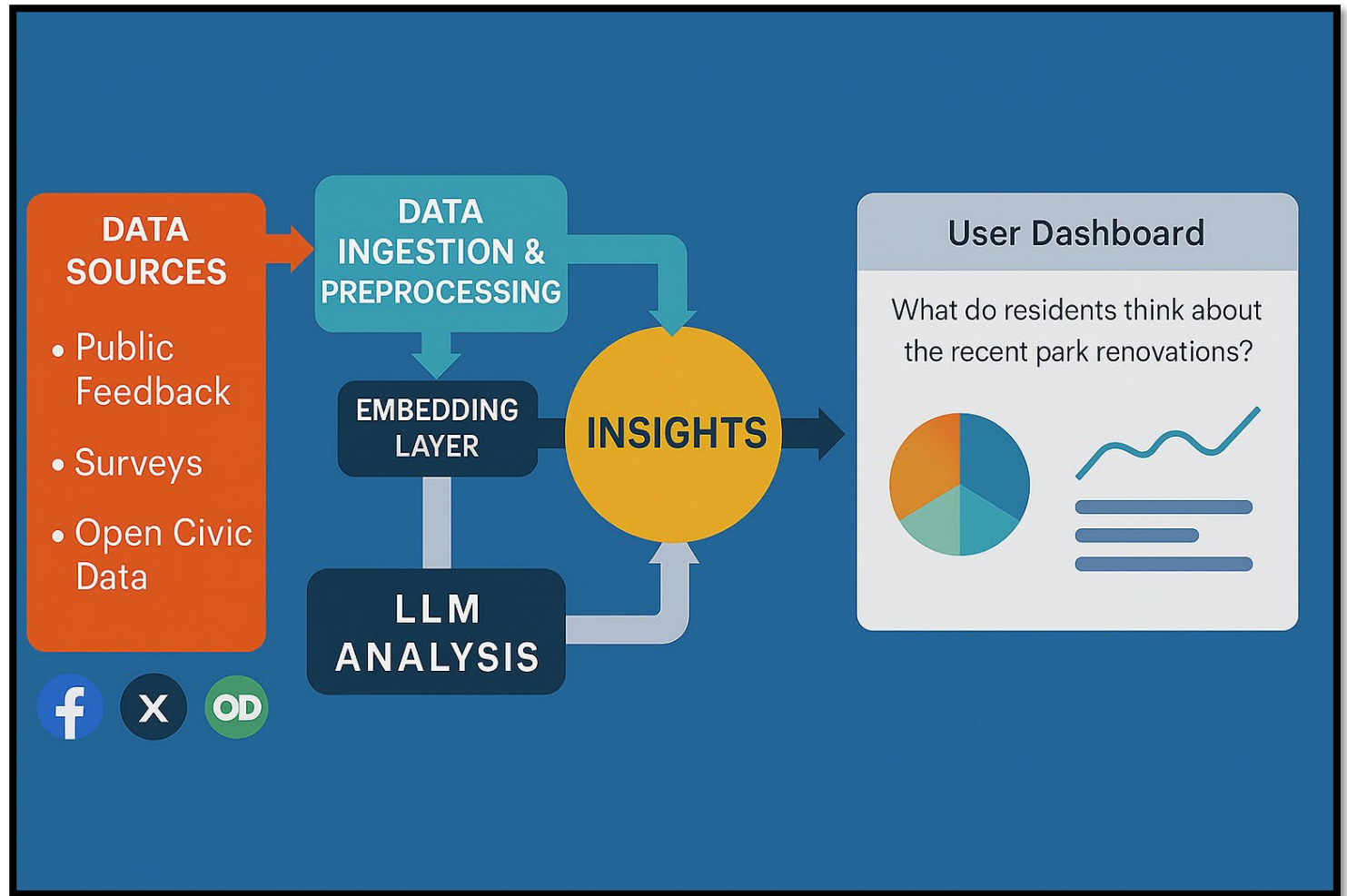
GenAI incubation to refine architecture, co-design with piwic groups, and pilot launches

The Problem


- Communities are data-rich but insight-poor.
- Local orgs, nonprofits, and city councils collect data from surveys, feedback, and social posts.
- But most lack data scientists or tools to make sense of it.
- The result: missed grants, disengaged citizens, and poor policy alignment.

The Solution

- CommunityInsight.AI turns unstructured data into actionable insights using GenAI.
- Users can ask: “What are top community concerns about school safety?”
- Powered by GPT-4-turbo + Chroma + OpenAI/Hugging Face embeddings.
- Delivers: Summarized themes, trends, sentiment, and reports.



How it Works



Layer	What It Does	Technologies/Tools
Data Ingestion	Collect public comments, surveys, news, forums	APIs (Facebook Graph API, Reddit API, SurveyMonkey, Eventbrite, Civic Data Portals)
Preprocessing	Clean and prepare text data for analysis	ETL Pipelines (Apache Airflow, Pandas), Cleaning scripts
Embedding Layer	Turn text into vectors for semantic search	OpenAI Embeddings, Hugging Face models (e.g., sentence-transformers)
Vector Database	Store and retrieve community insights efficiently	Chroma, FAISS, Pinecone
LLM Analysis Layer	Summarize, cluster, generate key themes, sentiment	GPT-4-turbo, Claude 3, Mixtral (local fallback)
Insight Generation	Build reports, dashboards, and storytelling elements	LangChain (or LlamaIndex), Streamlit for dashboards
User Interface	Web app for users to query, view insights	React.js frontend + Python backend (FastAPI or Django)

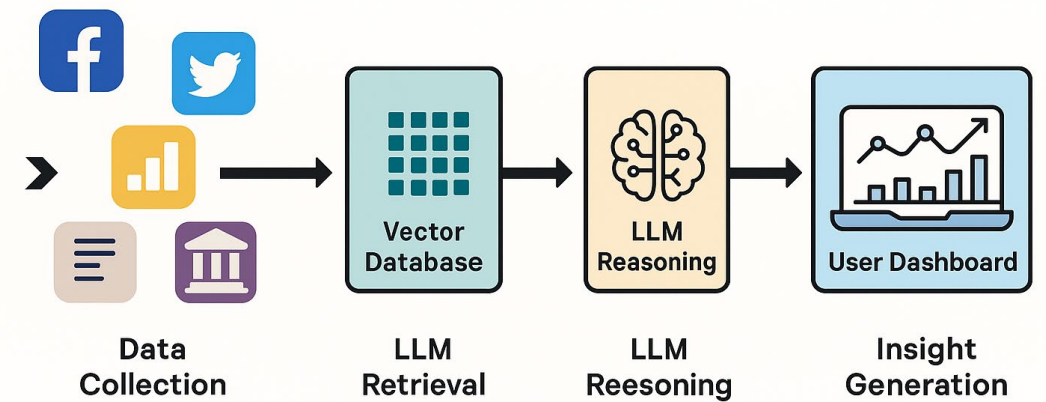
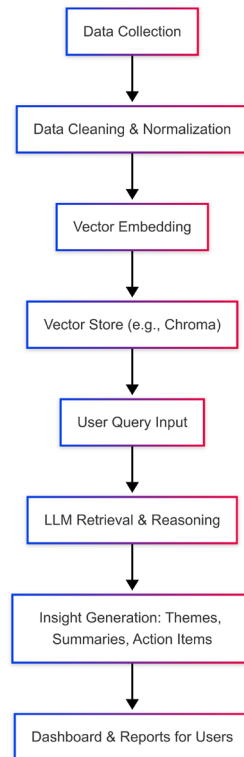


Typical Data Sources

Source Type	Examples	Collection Method
Public Social Posts	Facebook groups (if allowed), Reddit posts, Tweets (X)	Official APIs, web scrapers (legal scraping)
Event Data	Local event feedback (e.g., Eventbrite, Meetup)	API integrations
Open Government Data	Census, police reports, education data	Civic Open Data Portals (like data.gov, city websites)
Survey Responses	Community surveys conducted on Google Forms, SurveyMonkey	Manual upload, APIs
News Articles	Local news, Patch.com, community blogs	RSS feeds, scraping tools
Online Forums	Niche forums about neighborhoods, sports clubs	Web scraping (respectful, public)

LLM Structure & Flow

- **Data Processing Workflow**
- Data Collection: Acquire raw data from multiple sources.
- Data Cleaning & Normalization: Prepare data to ensure quality and consistency.
- Vector Embedding: Convert data into vector forms.
- Vector Store (e.g., Chroma): Save vectors in a dedicated database.
- User Query Input: Users provide queries to the system.
- LLM Retrieval & Reasoning: Access relevant vectors and analyze them.
- Insight Generation: Produce actionable insights and summaries.
- Dashboard & Reports for Users: Display results in accessible formats.



Use Case Example

- Query: 'What are residents saying about the youth center closure?'
- - Top themes: public safety, youth engagement, funding gaps
- - Sentiment: increased negativity in Wards 3 and 5 over 30 days
- - Output: 1-page summary for grant application or board meeting



Innovation & Scalability

- Designed for non-technical users—no AI knowledge needed.
- Modular architecture fits city councils, nonprofits, schools.
- APIs: Facebook Groups, Eventbrite, SurveyMonkey, civic portals.
- Deploy pilot in under 1 hour.



Ethical & Responsible AI

- Uses only public or consented data.
- No surveillance or personal profiling.
- Auditable insights with transparent sourcing.
- Supports multilingual and culturally aware summaries.



Goals for GenAI Incubator

- Refine RAG pipelines and insight workflows.
- Pilot with civic orgs, schools, and nonprofits.
- Design onboarding for non-technical users.
- Build partnerships in ethical and civic AI ecosystems.

Key Features MVP (Minimum Viable Product)

- **Searchable Community Insights** (Semantic search, not keyword)
- **Auto-Summarized Reports** (e.g., "What residents think about new park project")
- **Sentiment Tracker** (e.g., Positive/Negative/Neutral shifts after events)
- **Opportunity Alerts** (Optional module: suggest grants or initiatives)
- **Custom Surveys Generator** (AI can generate optimized surveys)

Let's Make *"AI for All"* a Reality



CommunityInsight.AI
empowers communities with
data-driven decision-making.



We're ready to partner with
GenAI Incubator to expand
access and impact.



Contact us to collaborate, pilot,
or advise.