Execution Brief – Real-Time Audio Incident Detection (Citizen AI Prototype)

Candidate: Billionaire Lee

Role: Data Scientist, Machine Learning (Trial Concept Submission)

Time Invested: ~1 hr 45 mins

Environment: ChatGPT-4, Real-time Ideation During Auction

Executive Summary

While at a vehicle auction, I built this concept in real time.
It was not planned or scripted – it came from a spontaneous thought: 'How could I automate the detection of real-world incidents
The process was created and iterated within ChatGPT in under 2 hours, and is available as a timestamped thought process..

System Flow – 'Citizen Listener'

1. Audio Capture – Ingests raw scanner/user audio via stream or buffer.
2. Transcription – Whisper / DeepSpeech API (low-latency).
3. Phrase Parsing – Filters actionable phrases using LLM prompt templates (e.g., urgency classifier).
4. Classification – Tags audio with categories: [violence], [fire], [panic], [false alarm].
5. Relevance Score – Confidence score based on language, tone, and context.
6. Routing Decision – Sends high-score alerts to moderators or user alert zones.

Key Strengths

- Built fast and lean – under 2 hours, real-time ideation
- Directly mission-aligned – mirrors Citizen's public safety goals
- Uses LLMs to boost classical ML – real-world deployment logic
- Designed with scalability in mind – embeddings, pattern clustering, confidence scoring

Request for Consideration

I respectfully request the opportunity to:
1. Complete a trial task or prototype review
2. Build a live simulation or decision-tree demonstration
3. Present this concept in more depth to your ML or product team

This wasn't prepared for an interview – it was created instinctively, in a live moment. That's what your platform does for its users

Thank you for your time and consideration.

Billionaire Lee
BillionaireLee74@gmail.com