Project Perception

An Emotion Detecting Platform for
Human Protection + Crisis Response

OpenAI Track - Human Rights

OVER
81,000 POWS
ARE **MISSING**
SINCE WWII.

THERE ARE
OVER **36**
AMERICAN
HOSTAGES
(**2024**).

THE NEXT THREAT NEEDS TO
DETECTED PROACTIVELY.

Project Perception Benefits!

Human Rights Monitoring

- Detect signs of abuse, torture, or psychological trauma through emotion analysis
- Analyse optical patterns to determine subliminal messages

Humanitarian Crisis Response

- Efficiently managing and supporting displaced people (Hostages, PoWs)
- Help identify if refugees are in danger and being mistreated

Insider Threat Detection

- Detect abnormal behavioral patterns, triggering security warnings
- Helping to remove insider-threats before they cause big problems

DEMO!

Project Perception stack!

Core Multi-Modal AI Features:

- Real-time Video Object Detection (*YOLO v8*) - Detects and tracks objects/people
- Emotion Recognition (*DeepFace*) - Analyze facial emotions in real-time
- Blink Pattern Detection (*MediaPipe*) - Advanced eye-tracking for behavioral analysis
- AI-Powered (*OpenAI GPT API*) - Natural language processing capabilities
- Surveillance Video Management - Organized storage and analysis of recorded footage
- Frontend: HTML/CSS/JavaScript
- Backend: Flask, Python

Thank you!

Any questions?

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