

TENET HACKATHON 2025 PRESENTATION

# FACTRIX

## Unveiling the Digital Reality

Team H3LLoWRLD presents an AI-powered solution to combat misinformation in the digital age. Factrix operates within messaging platforms to provide instant credibility verification with Matrix-inspired precision.



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**Github : [github.com/H3LLO-WRLD-ai/factrix](https://github.com/H3LLO-WRLD-ai/factrix)**



# THE PROBLEM MATRIX

*"Unfortunately, no one can be told what the Matrix is. You have to see it for yourself."*

## The Blue Pill Construct

Misinformation spreads like wildfire through messaging platforms such as WhatsApp and Telegram. Users unknowingly become agents of deception, forwarding sensational news, dubious links, and manipulated images without verification.

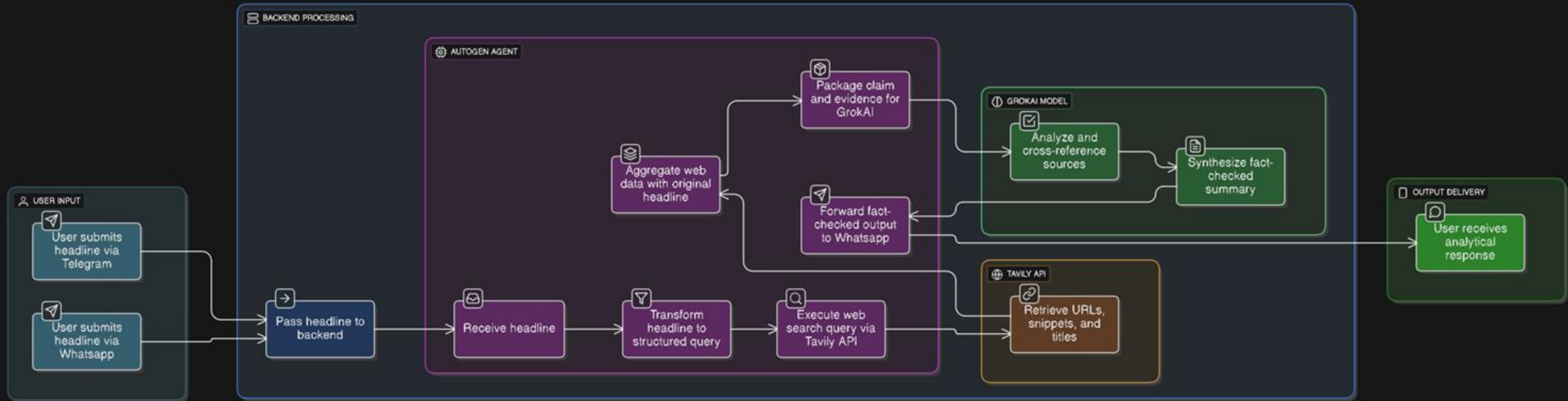
This digital epidemic creates confusion, spreads fear, and causes real-world harm. The speed of sharing far exceeds the pace of fact-checking, leaving truth buried beneath layers of viral fiction.

## The Red Pill Revelation

**Factrix** breaks the cycle. Our AI-powered bot instantly analyses news content and provides credibility scores with Matrix-precision:

- Green = Likely True
- Red = Likely Fake
- Yellow = Unclear

# SYSTEM ARCHITECTURE



# TECH STACK & FEASIBILITY

## The Arsenal

### Backend Core

Python AI Agent with AutoGen framework for intelligent processing

### Infrastructure

VPS hosting ensures reliable deployment and testing capabilities

### Artificial Intelligence

Efficient and intelligent LLMs from providers like OpenAI and GrokAI

### Web Search API

Google Search and other reliable sources for news

## Reality Check

**Strengths:** Lightweight architecture deployable on VPS infrastructure. Leverages proven pre-trained AI models combined with Web Search, reducing development complexity whilst maintaining accuracy.

**Current Limitations:** Fact-checking coverage depends on external API availability. Multi-language support initially limited to English, with expansion planned for future iterations.





# FUTURE SCOPE

*"This is your last chance. After this, there is no going back."*

## Global Language Matrix

Expand multi-language support for worldwide misinformation detection, breaking language barriers to protect global digital communities.

## Multimedia Verification

Advanced detection of manipulated images, deep fakes, and video content using cutting-edge computer vision and audio analysis.

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## Platform Integration

Deploy across Discord, Slack, Messenger, and emerging platforms, creating a comprehensive network of truth verification.

## Custom AI Evolution

Develop proprietary models trained on diverse datasets for superior accuracy and reduced dependency on external APIs.

Factrix represents more than technology – it's a movement toward digital truth. As we evolve, our mission remains constant: **liberating humanity from the matrix**