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WHITEPAPER

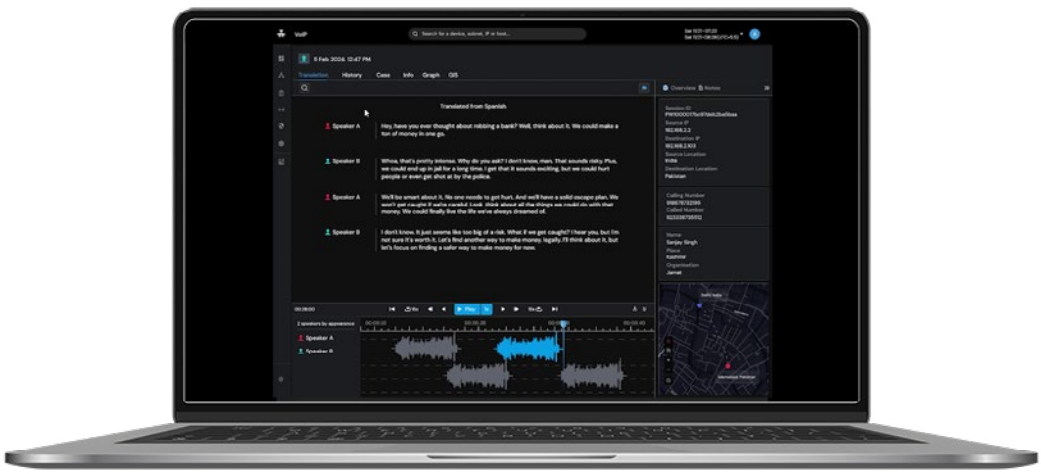
UNLOCKING THE POWER OF AI/ML IN VEHERE AI COUNTER-TERRORISM

The role of Artificial Intelligence (AI) in national security analysis and operations has become increasingly vital in the modern era. AI, with its unparalleled ability to process and analyze vast amounts of data rapidly, offers a significant advantage in identifying and responding to potential threats. This technology extends beyond mere data processing; it encompasses advanced machine learning (ML) algorithms capable of pattern recognition, anomaly detection, and predictive analytics. These capabilities are crucial in pre-emptively identifying security threats, from cyberattacks to terrorist activities, ensuring a proactive rather than reactive approach to national defence. Moreover, AI's role in natural language processing aids in intelligence gathering, enabling the deciphering and translation of various languages and dialects, thus breaking communication barriers in international security contexts. In essence, AI acts as a force multiplier in national security, augmenting human capabilities with speed, precision, and efficiency, and thereby playing a pivotal role in maintaining global stability and safety.

Key Capabilities:

1. **Speech-to-text conversion with language identification, transcription, and translation:** It seamlessly converts speech to text through AI-driven language identification, transcription, and translation. It also supports a vast repository of 99 languages.

2. **Speaker identification:** AI-powered speaker identification assists in identifying the target. The speaker is identified from a given audio sample by comparing it to a database of known speakers. A score is assigned to each potential match, indicating the likelihood that the audio sample belongs to that particular speaker.



3. **Email analysis:** Our advanced machine learning algorithms are capable of content analysis of emails and accordingly classify the emails (e.g., arms procurement, military). Additionally, it gathers information like names, places and organizations from massive email content.

4. **Text translation and summarization:** Our machine learning algorithms are also capable of identifying languages used in emails and then carrying out translation and summarization of email content. This feature supports 112 languages.

5. **Behavior profiling:** The ML-based behavior profiling feature analyzes email traffic, measures data volumes, detects anomalies and generates alerts for high-volume data transfers from government entities to non-governmental organizations to ensure data security and prevent potential data leaks.

6. **Email spam filtering:** Our advanced machine learning algorithms are capable of accurate spam filtering. It filters out spam emails with the fewest false positives, thereby saving time and reducing workload for the analyst.

7. **Generative AI-based Q&A application:** A chat-enabled virtual assistant powered by Generative AI, Machine Learning and Natural Language Processing that interact with human analysts in a conversational manner, thereby augmenting their analytical capabilities. It helps the analysts in the investigation of threats, protocols, and signals and their response strategies.

8. **Network Behaviour Anomaly detection:** Our advanced machine learning algorithms can follow the cyber killchain in coordinated and targeted cyber-attacks. The modules in place are enabled to identify and raise an alert from the moment the attacker enters the first stage of a cyberattack. Each alert is mapped with the respective MITRE TACTICS.

Vehere stands firmly committed to enhancing national security through the innovative application of AI technologies, demonstrating an unwavering dedication to supporting our national security partners. Our mission extends beyond merely providing advanced tools; it involves a deep-seated commitment to developing AI solutions that are specifically tailored to meet the unique challenges and operational demands of national security work. This commitment is exemplified by our continuous collaboration with security experts and agencies across the globe, ensuring that our product Vehere AI Counter-Terrorism is not only technologically advanced but also operationally relevant and compliant with the highest standards of legal and ethical frameworks. By aligning our AI expertise with the strategic goals of our partners, Vehere pledges to be a driving force in the realm of global security, offering effective, innovative, and reliable AI-driven solutions that empower national security agencies to protect and serve with unparalleled efficiency and precision.

About Vehere

Vehere is a new-age Cybersecurity software company specializing in AI Cyber Network Intelligence. For more than a decade, Vehere has been supporting counter-terrorism analysts in Defense & Intelligence communities. Vehere is now trusted by cyber-analysts in Fortune 500 companies, including Telecom, Financial Institutions, Smart cities, to protect their critical infrastructure against real-time cyberattacks.

Vehere preserves fundamental principles of privacy and civil liberties. We proactively defend your cyberspace by cross-leveraging our expertise between national security and enterprise security.

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