BLUEWAVE AI · OVERVIEW

BlueWave AI

AI security for networks and voice channels.

WHO WE ARE

BlueWave AI is a Budapest-based AI security company. We build two separate product lines for two different problems: HYDRA, which spots unusual behaviour inside a network, and VoiceGuard, which flags deception on phone calls, whether the voice is cloned or real. Both are built by the same team on Kolmogorov–Arnold Network (KAN) model architectures, and both are designed for customer-controlled processing, with deployment options agreed for each implementation.

HYDRA · NETWORK

Network anomaly detection

The problem. Signature-based tools recognise what has been described before. New or unusual behaviour inside a network can go unnoticed.

What it does. Reads a passive copy of network traffic, learns how that network normally behaves from its own unlabelled traffic, and flags behaviour that deviates, showing which host, what behaviour and compared with what.

Where it fits. Alongside existing intrusion detection, SIEM and SOC work. On premises, without cloud connectivity; small models that run on standard CPUs.

For. Organisations with limited SOC capacity, critical infrastructure and industrial environments, financial services, public sector and research networks, managed security providers.

STATUS · RESEARCH PROTOTYPE, DEMONSTRATED IN OUR LAB

VOICEGUARD · VOICE

Protection against phone deception

The problem. Voices are cheap to clone, but phone fraud also works with a real voice: urgency, impersonation, secrecy.

What it does. Signals on three questions: could the voice be synthetic, does the conversation show a deceptive pattern, and can the call's origin be verified (BlueWave Witness).

CallCenter Guard. VoiceGuard in the contact centre: checks calls such as account recovery or phone approvals for signs of a synthetic or cloned voice, starting with existing recordings.

Partners. We work with partners to integrate VoiceGuard capabilities into their existing platforms and services, or to offer them to end users through banks, operators or app providers.

STATUS · VOICE DETECTION AVAILABLE; OTHER CAPABILITIES AT EARLIER STAGES

WHAT BOTH PRODUCT LINES SHARE

- **Data control:** designed for customer-controlled processing, with deployment options agreed for each implementation.
- **Traceable results:** each signal can be traced to the data and analysis behind it.
- **Fits what you already run:** they add a signal to existing tools and processes rather than replacing them.
- **Assessed on your data:** usefulness is measured in your environment, not promised in advance.

TEAM

- Gergely Vass, CEO: extensive banking experience across four banks, including project management and vendor selection on the buyer's side. Leads BlueWave AI's sales, business development and strategy.
- Gyula Németh, CTO: more than 25 years in systems engineering and IT leadership; designer of the detection engines.

NEXT STEP

A short conversation about which product line and which situation could be relevant for you or your colleagues. If someone else owns network security or phone-channel fraud in your organisation, please feel free to forward this page. We agree the scope, terms and any fees of an assessment before it starts.

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