

EMPOWERING LAW ENFORCEMENT TO HANDLE RISING CYBER REPORTS

OVERVIEW

MURPHY is an AI-powered, cloud-based software tool and chatbot to assist local law enforcement deluged by cyberscam and cyberattack reports. The proprietary system gives police automated incident workflow streamlining tools and customized, actionable recommendations. National law enforcement partners get previously unreachable ground-level aggregate data for threat prioritization and response.

RISING THREATS

Top cybercrimes are going unaddressed. Losses from cybercrimes skyrocketed by 50% from 2021 to 2022, increasing from \$6.9 to \$10.3 billion, according to the latest FBI Internet Crime Report. The top scams are:

- Phishing (300,497 victims)
- Personal data breach (58,859)
- Non-payment/non-delivery (51,679)
- Extortion (39,416)
- Tech support scam (32,538)



LOCAL CHALLENGES

- Local law-enforcement is ill-equipped to handle these reports and lack jurisdiction to go after foreign perpetrators
- Often the investigation stops with an initial incident report. Those reports can also be miscoded
- Since most incidents don't rise to the federal level, national defenders lack granular and trend data to go after the highest ROI threat actors
- Generative text and voice AI combined with robocallers and spammers will only magnify the issue in the next 12 months



A NEW SOLUTION

MURPHY is an assistive tool for local police consisting of:

- Trained AI chatbot to streamline and standardize report intake and data collection
- Trending dashboard and results-based action recommendation engine
- Cloud-based database to collect and analyze local reports, shared with national partners for threat response



UNTAPPED FUNDING

DHS-CISA gives grants for local capacity-building for cyber incident reporting, but most locals lack the ability to pursue. MURPHY solves this with a scalable, turnkey solution, deployable in hours, with little to no IT resources. MURPHY is a new tool in the belt. It won't replace the training, community knowledge and human connection of a local officer, but it frees them up to focus on hands-on issues.

STREAMLINED WORKFLOW

Police gives the victim access to the secure MURPHY intake site.

1. The chatbot uses natural conversation to guide the victim and fill out the incident form. It also gathers additional data and documentation investigators might need.
2. The chatbot is fully responsive to normal conversation and can handle typos, slang, and digressions.
3. After confirming the report with the victim, the data is ingested into the MURPHY database and fed into the local dashboard, which displays analysis and trends.
4. After certain levels are reached the dashboard prompts local law enforcement to push out additional results-based community resources.
5. The collected data is aggregated with national law enforcement partners for broader analysis and collaboration

HOLISTIC PARTNERSHIP

Signal Hill is seeking a partner to help test Murphy in real scenarios and provide feedback on the solution. The selected law enforcement organization will receive a free license, including tech support and product updates.

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TO LEARN MORE

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