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10:10 AM – 10:30 AM

***Utilizing AI to Unlock Data Essential to Mission Success***

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Abstract:

In today's ever-evolving digital landscape, the intersection of AI technologies and cybersecurity is paramount for ensuring robust data research and data resiliency. This session delves into the innovative utilization of AI to augment user data research and forensics capabilities while bolstering cyber defenses.

Key topics include:

**AI-Powered Data Research:** Explore how AI technologies, utilizing Machine Learning (ML), Large Language Models (LLM), Neural Networks, and Deep Learning, are harnessed to enhance user data research processes. Understand the nuances of ML applications and the time considerations involved in training models.

**Cyber Resiliency Foundations:** Discover the pivotal role of cyber resiliency, where protection, response, and recovery strategies form the bedrock of defense mechanisms. Learn how AI contributes to cyber resiliency by reducing vulnerabilities and mitigating threats.

**Innovative Solutions:** Introduce cutting-edge advancements such as Neural and GenAI, tailored to address contemporary cybersecurity challenges. Delve into the significance of staying up-to-date with the latest AI developments, ensuring relevance and efficacy in combating emerging threats.

**AI-Driven Data Analysis:** Uncover the capabilities of AI models, such as Cohesity Turing and GAIA, in analyzing vast datasets for actionable insights. Witness how these solutions facilitate efficient data retrieval, vectorization, and metadata creation, enabling seamless analysis without extensive training requirements.

Mitigating Risks: Explore strategies to reduce AI-related hallucinations, inaccuracies, and other drawbacks ensuring the reliability and integrity of findings. Understand the importance of validating AI-generated insights through cohesive methodologies and rigorous scrutiny.

Attendees will gain valuable insights into leveraging AI technologies for comprehensive data research and bolstering cyber resiliency measures. By harnessing the collective power of advanced AI solutions, agencies can navigate the complexities of modern cybersecurity landscapes with confidence and efficacy.