

Savannah River Pitch Cyber Challenge: *Where the Southeast's Brightest Minds Pitch the Future of Cybersecurity*

Challenge Title:

Harnessing Data Science, AI, and Machine Learning for Cybersecurity Workflow Efficiency

Challenge Overview:

The Cyber Fusion Innovation Center (CFIC) invites undergraduate and graduate students to participate in a unique **Capability Pitch Competition** that seeks innovative solutions integrating **Data Science, Artificial Intelligence (AI), and Machine Learning (ML)** to improve cybersecurity workflow efficiencies. As the volume and complexity of cyber threats continue to grow, there is a pressing need for data-driven technologies that can streamline and optimize cybersecurity operations.

Problem Statement:

How can **Data Science, Artificial Intelligence, and Machine Learning** be leveraged to enhance, automate, or streamline cybersecurity workflows? We are seeking creative and impactful ideas that:

1. **Boost Workflow Efficiency:** How can AI/ML techniques and data analytics speed up data processing, analysis, or decision-making in cybersecurity?
2. **Automate Cybersecurity Operations:** What new models or tools can automatically detect, analyze, and respond to cyber threats more effectively?
3. **Optimize Operations:** How can data-driven approaches reduce manual effort, lower costs, or improve the accuracy and effectiveness of cybersecurity defenses?

Competition Details:

- **Competition Date:** February 26th, 2025, from 5:00 - 7:00 PM at the **Georgia Cyber Innovation & Training Center**.
- **Deadline for White Paper Submissions:** January 14th, 2025.
- **Deadline for 5-Slide PowerPoint Pitch:** January 21st, 2025.

Prizes:

- **1st Place:** \$1,500
- **2nd Place:** \$1,000
- **3rd Place:** \$500

Who Can Participate:

This competition is open to all college undergraduate and graduate students with a passion for **Data Science, Artificial Intelligence, Machine Learning, and Cybersecurity**.

Submission Requirements:

- A **white paper** (up to 1,500 words) outlining the problem, the proposed solution, and how it integrates data science, AI/ML to improve cybersecurity workflow efficiencies. **Deadline: January 14th, 2025.**
- A **5-slide PowerPoint pitch deck** summarizing the key points of the proposal. **Deadline: January 21st, 2025.**

Judging Criteria:

- **Innovation:** Originality and creativity of the proposed solution.
- **Feasibility:** Practicality of implementation in real-world cybersecurity operations.
- **Impact:** Potential for the solution to significantly improve workflow efficiency and security.
- **Presentation:** Clarity and effectiveness of the pitch.

How to Submit: Students should submit their white paper and PowerPoint deck via the submission buttons on the cyberfic.org website by the stated deadlines.

You can download templates on the cyberfic.org website for your submission documents.

Why Participate? This is an exciting opportunity to showcase your technical expertise, contribute to the future of cybersecurity, and gain valuable experience pitching to industry leaders. The competition also provides a platform to potentially secure funding for your innovation through patent protection.

Join us on **February 26th, 2025** at the **Georgia Cyber Innovation & Training Center's Plug-n-Play Auditorium** to present your ideas and compete for cash prizes. We look forward to seeing your groundbreaking ideas that will shape the future of cybersecurity!