MICHIGAN STATE UNIVERSITY

Beta Presentation

AI Cyberattack Early Warning System

The Capstone Experience

Team Vectra AI

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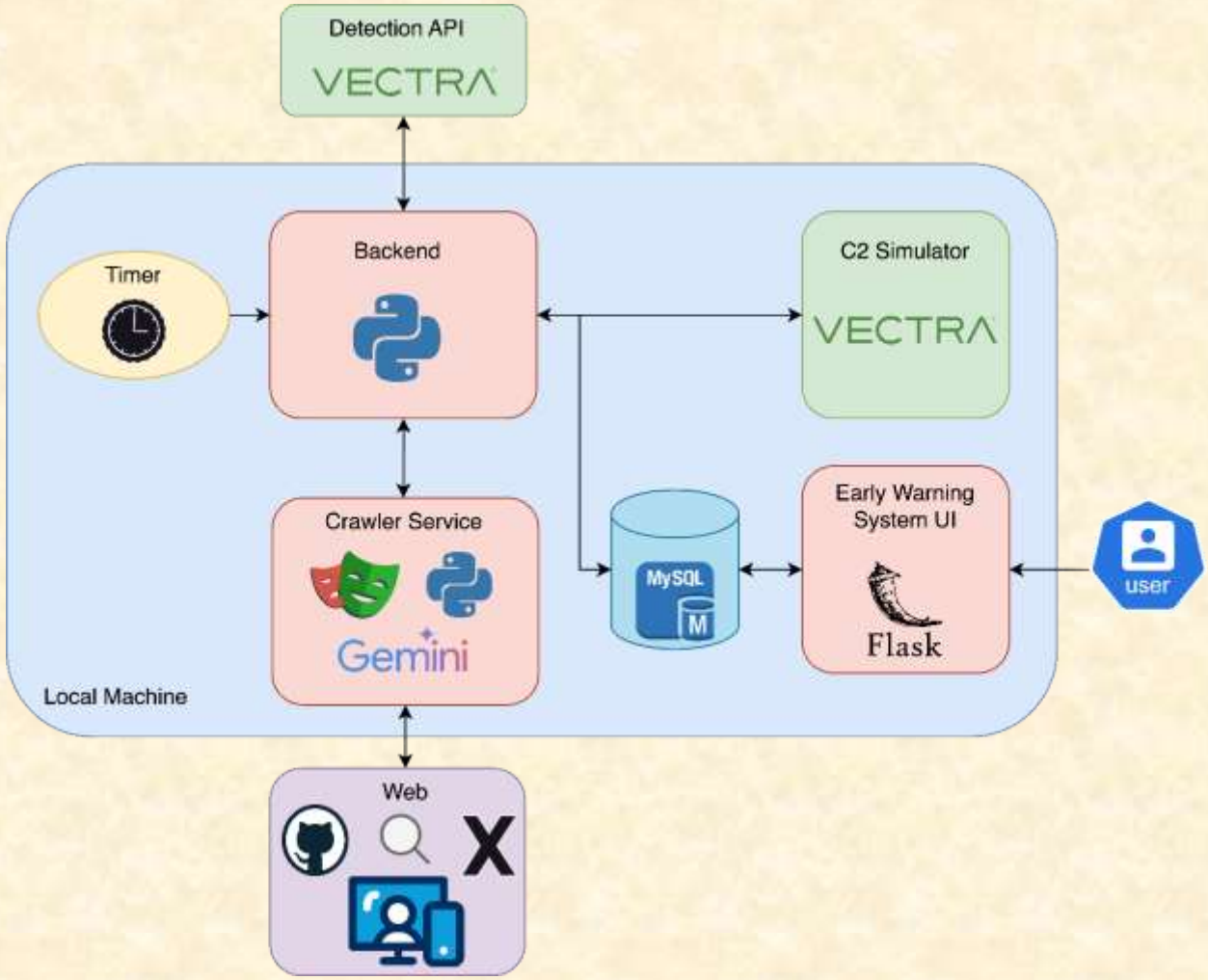
From Students…
…to Professionals

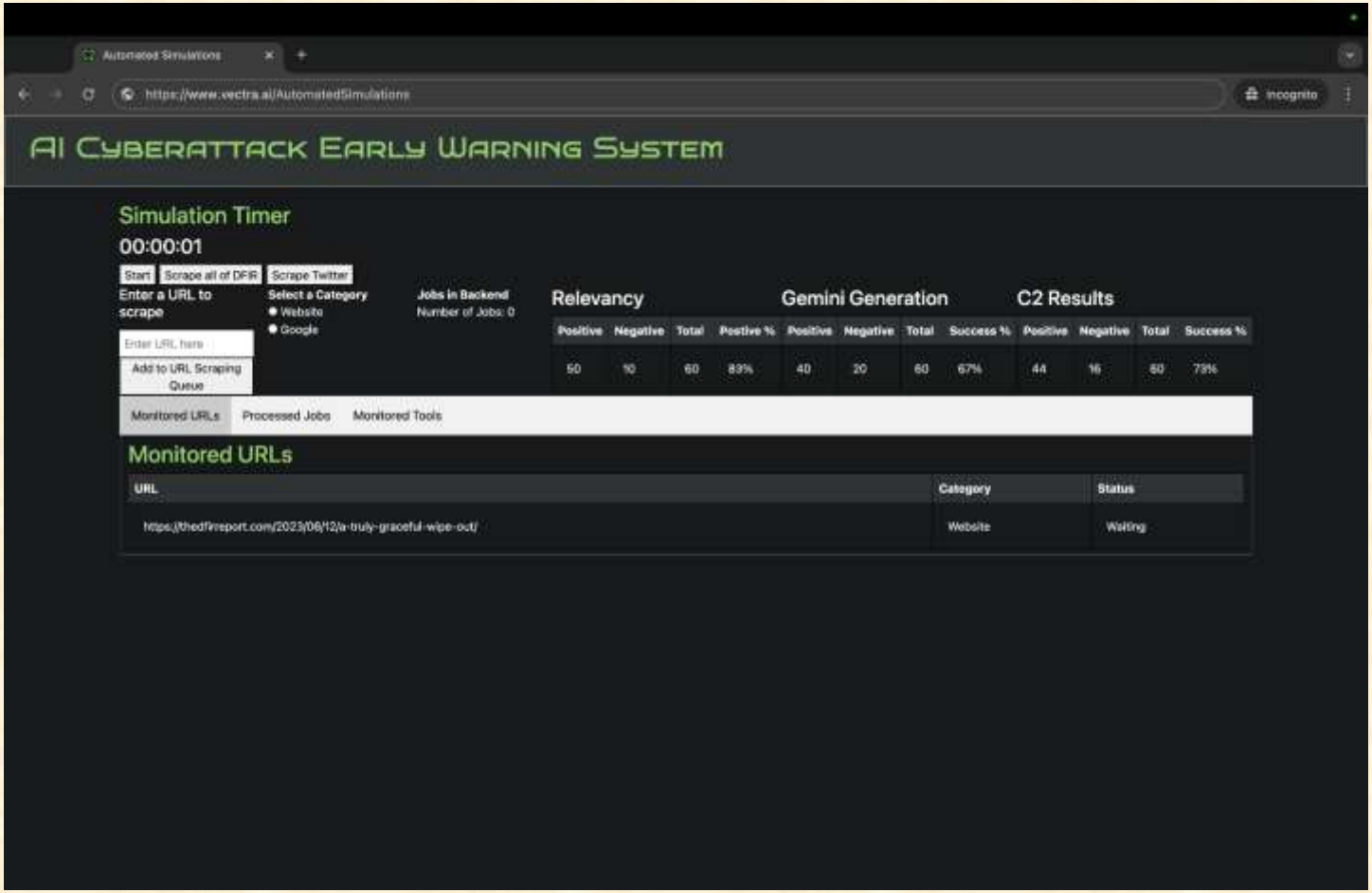
Project Overview

- Problem
  - Data scientists have to manually read reports and configure the C2 simulator
- Solution
  - Automate the process by web scraping threat intel resources, extrapolating C2 configs, and generate PCAP samples
- Result
  - Human intervention in the process is eliminated

System Architecture



User Interface



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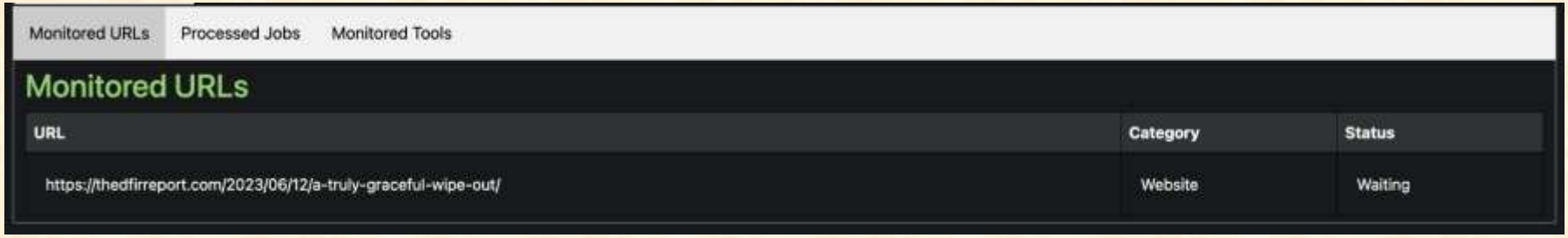

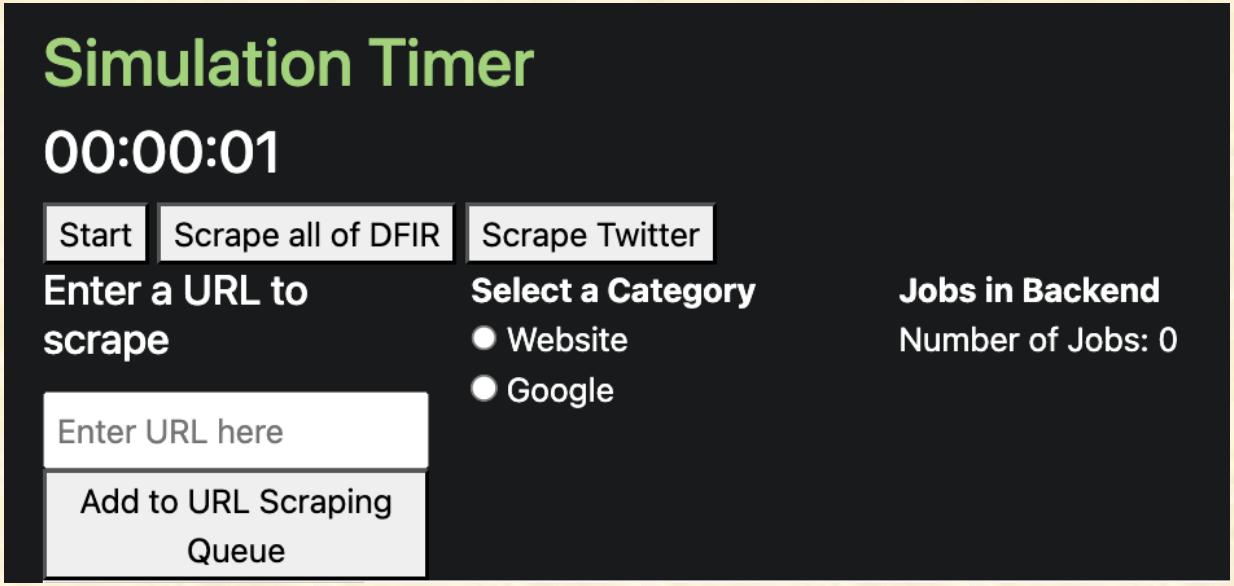

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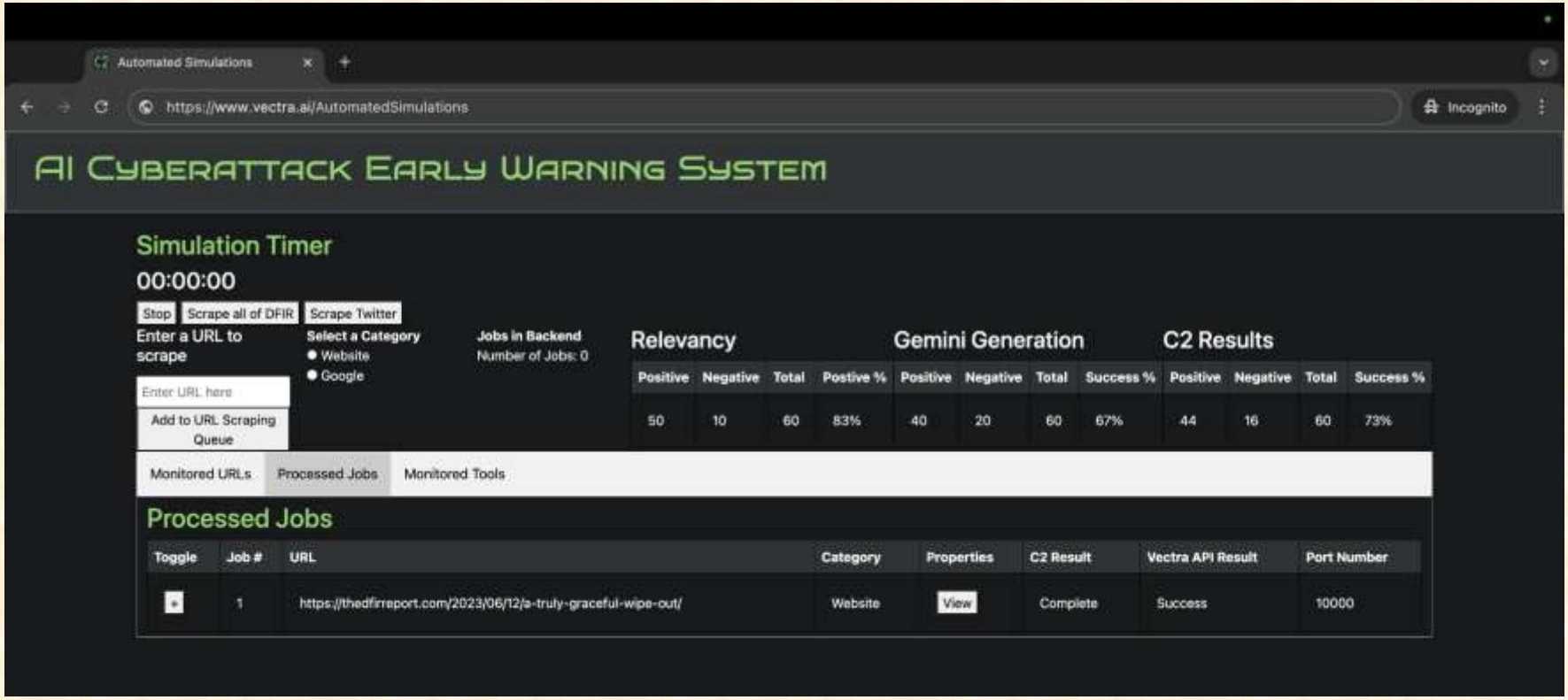

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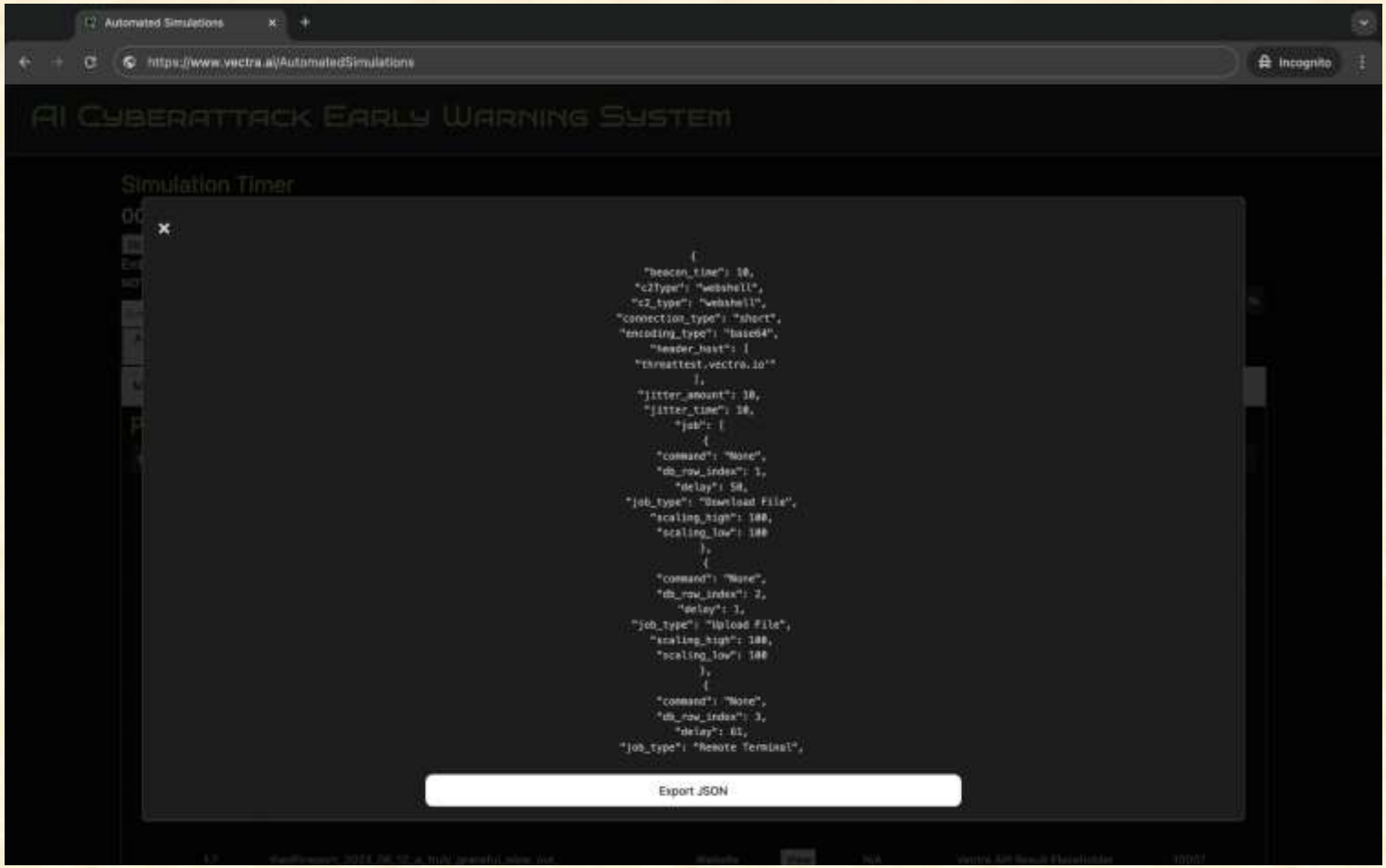

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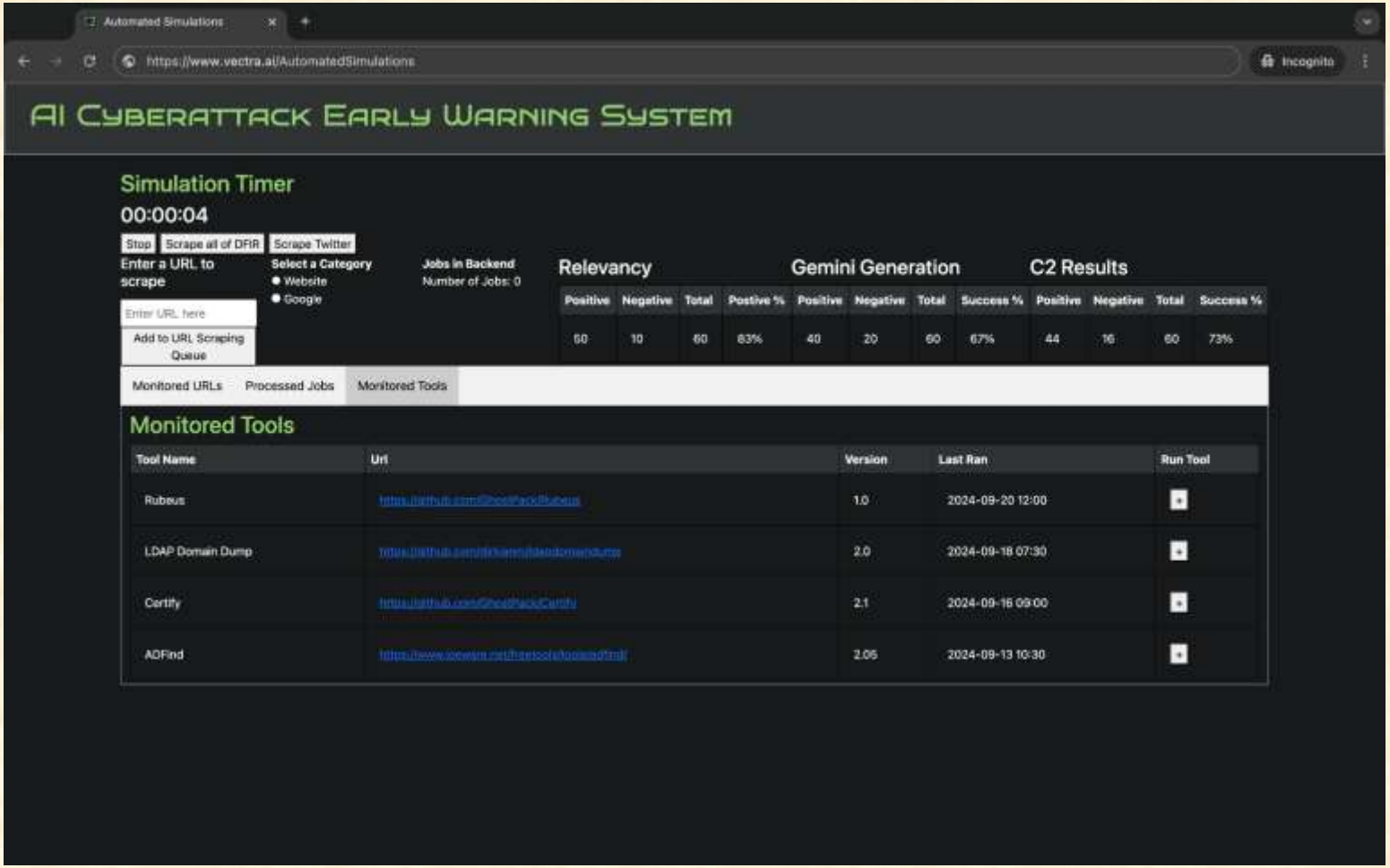

What's left to do?

- Stretch Goals
  - Visualize PCAP data
  - Gemini default usage percentage
  - Add additional known tools
- Other Tasks
  - Integrate with Vectra AI's VM
  - Refactor code

Questions?