

# THAITHE KALATHIL HARYSHWA NAIR

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## PROFESSIONAL SUMMARY

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Cybersecurity graduate student actively seeking internships and entry-level roles, driven by curiosity, initiative, and a strong preference for building and exploring systems rather than operating on static workflows. Naturally inclined toward experimenting, breaking down problems, and creating tools and lab environments to understand security from the inside out. Known for discipline, persistence, and self-directed learning developed through competitive sports and hands-on technical work, with a mindset oriented toward growth, ownership, and continuous improvement.

## CORE SKILLS

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**Security Skills:** SIEM alert triage, log analysis, threat investigation, incident response processes, malware and ransomware analysis, network and system security fundamentals

**Programming & Scripting:** Python, Bash, Security automation scripting

**Tools & Technologies:** Linux, Git, GitHub, API integration (VirusTotal), virtualization (VMware), log analysis tools

**Platforms & Practices:** TryHackMe labs, security monitoring concepts, incident validation, security documentation

## PROFESSIONAL EXPERIENCE

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### Cybersecurity Intern — Deloitte (INDIA)

- Worked as part of a remote security operations team supporting enterprise clients in the banking and insurance sectors, analyzing Splunk-generated security alerts based on client-defined activities, policies, and procedures.
- Investigated daily alert queues by reviewing log data and event context in Splunk, validating alerts against predefined criteria and documenting findings.
- Escalated non-standard or higher-risk alerts to L2 and L3 SOC analysts for further investigation and confirmation, following established incident handling workflows.
- Transitioned between multiple client environments, receiving hands-on training in Splunk usage and exposure to security automation concepts aligned with organizational policies and procedures.
- Supported efforts to improve alert handling consistency by applying standardized analysis processes within Splunk-based security monitoring environments, improving accuracy and consistency of alert validation.

## PROJECT EXPERIENCE

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### SentinelScope — Threat Intelligence Automation Bot (Developed & Deployed)

- Designed, built, and deployed a Telegram-based threat intelligence automation bot integrating the VirusTotal API to analyze file and URL reputations across multiple test scenarios.
- Automated threat lookups and response generation with structured logging and error handling, reducing manual analysis effort during security investigations.
- Tested the bot across repeated execution cycles to validate reliability, response accuracy, and operational stability in simulated threat-analysis workflows.

### SSH Honeypot — Python (In Progress)

- Designing and building a Python-based SSH honeypot to simulate a corporate jump-host in an isolated lab environment.
- Implemented initial scaffolding for session handling and structured logging, iterating toward safely capturing authentication attempts and command interaction.
- Documenting development decisions and testing plans to validate behavior and logging accuracy during later integration testing.

### Ransomware Containment Sandbox (Design Phase)

- Conceptualizing a ransomware containment sandbox to explore safe methods for analyzing malware behavior in isolated environments.
- Studying ransomware attack lifecycles, containment approaches, and virtualization-based isolation techniques to inform sandbox design.
- Documenting design considerations, risks, and safety controls required before executing live malware samples.

## LEADERSHIP & ACTIVITIES

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### Graduate Badminton Club — Stevens Institute of Technology | Officer, Event Coordinator

- Coordinated and executed multiple badminton events and tournaments for graduate students, managing end-to-end planning and on-ground execution.
- Managed scheduling, logistics, and participant coordination for groups of 20+ students, ensuring smooth event operations.
- Collaborated with club members and university stakeholders to organize activities, demonstrating leadership, organization, and team coordination skills.
- Assisted with equipment booking and venue coordination in alignment with university guidelines.

## HACKATHONS & TECHNICAL EVENTS

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### Rutgers Health Hackathon (48-hour)

- Contributed to the design of MedAI, an intelligent evaluation assistant for medical education that provides formative feedback on student H&P presentations.
- Designed the logical evaluation rubrics governing AI behavior, defining clinical relevance, question sequencing, empathy, and communication quality.
- Ensured a human-in-the-loop workflow by positioning AI output as supportive feedback, with final evaluation and grading retained by professors.

### Stevens Ducks Hackathon (6-hour)

- Proposed and led the design of a medical assistance application for elderly care, selected from multiple problem statements for team implementation.
- Designed the core system logic including elder and caretaker modes, medication tracking, refill alerts, and family/doctor monitoring.
- Designed a foul-play detection and escalation framework with engagement features to reduce medication errors and improve adherence.

## CERTIFICATIONS

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**CompTIA Security+ (SY0-701)** - Foundational cybersecurity, risk management, and incident response

**TryHackMe Pre-Security Certificate** - Hands-on labs in networking, Linux, and security fundamentals

**Digital Forensics and Electronic Evidence** - Evidence handling, analysis techniques, and forensic principles

## EDUCATION

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**Master of Science in Cybersecurity** - Stevens Institute of Technology, Hoboken, NJ

Expected Graduation: May 2026 | Emphasis on hands-on labs and applied security projects

## ACHIEVEMENTS

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- **National Bronze Medalist — Shotokan Karate (India)**, demonstrating long-term discipline and competitive performance
- **District-level Badminton Player (India)**, reflecting consistent training and team-based competition
- **Represented school at International Spell Bee competition (International level)**, highlighting precision and academic rigor.