

# DEVAN RAJENDRAN

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## EDUCATION

**Carnegie Mellon University, Heinz College**, Pittsburgh, PA (CGPA – 3.88) Expected Graduation - May 2026

*Master of Science in Information Security Policy & Management*

Relevant Courses: Introduction to Information Security and Management, Introduction to Cyber Intelligence, Software Security, Fundamentals of Operationalizing AI, Ethical Penetration Testing, Information Security Risk Management

**National Institute of Technology**, Karnataka, India

Graduated - May 2021

*Bachelor of Technology in Mechanical Engineering*

## SKILLS

**Security:** NexusIQ, BugTrack JIRA, CyberArk PAM, SonarQube (SAST), BurpSuite, Shodan, Threat Analysis, Threat Modelling, Threat Intelligence Gathering, Threat & Strategic Analysis and Reporting, Application Security Testing, Python, numpy, sumy, UTM, WebGoat, Kali Linux, Kafka, Asset Management, Risk Assessment, Risk Appetite, Governance & Compliance, Network Security, Wireshark, Metasploit, Nessus, Nmap, VMware, Apache Kafka

**Frameworks:** ISO 27001, HIPAA, HITRUST, PCI-DSS, NIST RMF, MITRE ATT&CK, OWASP, OCTAVE Allegro & FORTE, NIST 800-53

**Development:** JavaScript, NodeJS, NestJS, Typescript, Postman, GitHub, **Deployment:** Microsoft Azure, Kubernetes, Jenkins, Docker,

**Monitoring and Ticketing:** Dynatrace, Splunk Enterprise, ServiceNow, Quantum Metrics, **Scrum:** Agile, Atlassian JIRA, Confluence

## EXPERIENCE

**Carnegie Mellon University**, Pittsburgh, PA

Research Assistant

May 2025 - Present

- Designed syllabus for integrating a virtual CyberSim lab as a part of a penetration testing course at Community College of Allegheny County (CCAC) aimed at improving collaboration and communication while ensuring proactive learning.
- Curated a database of students mentored by AI professors across key domains (ML, HCI, Computer Vision) to evaluate career outcomes and impact of AI education.

**Deloitte USI**, Bangalore, India

Consultant

May 2024 - June 2024

- Developed and integrated surgical appointment and doctor's notes feature, enhancing surgical profile accessibility for 200,000 users while fixing over a total of 200+ security bugs (CVEs) and ensuring overall application safety for over 350,000 users per day

Analyst

July 2021 - May 2024

- Served as a **Backend Web Developer** managing 6 REST APIs, through activities such as Development, Testing, Deployments, DevOps, Incident Response Management, User Activity Monitoring (UAM) and Scrum with 13+ releases
- Acted as a **Security Engineer** and carried out **SIEM Monitoring** (Dynatrace, Splunk Enterprise), **Security Operations** (CyberArk PAM, SonarQube), **Vulnerability Management** (NexusIQ, BugTrack JIRA) resulting in logging enhancements, timely certificate renewals and proactive security vulnerability patching
- Secured 300,000+ user records by renewing SSL/TLS certificates across 6 APIs and removing exposed PHI/PII, ensuring compliance and application security.

## ACADEMIC PROJECTS

**CYBER INTEL - THREAT INTELLIGENCE, MODELING AND RECONNAISSANCE**

September 2024

Developed a comprehensive Threat Intelligence Fusion Center plan addressing 15+ critical risks with tailored mitigation strategies to strengthen organizational security posture after conducting open-source reconnaissance on a Fortune 500 company and creating a detailed threat model with ranked assets and attacker profiles.

**CYBERINT - CYBER NEWS AGGREGATOR**

November 2024

Developed a Python-based cyber news aggregator for spreading cyber awareness in financial organizations using BeautifulSoup, NumPy, Sumy, and SMTP to automate aggregation, summarization, and email alerts.

**THREAT INTELLIGENCE REPORT**

October 2024

Developed and presented a Threat Intelligence Report on the MGM resorts attack by Scattered Spider threat group, analyzing threat actor tactics, motives, vulnerabilities, and impact, with actionable recommendations to prevent future incidents.

## ACHIEVEMENTS

- Won distinguished paper award at the I-4AM 2022 Conference for presenting and publishing a paper – Articulated Robot Arm for Feeding as a book chapter within *Springer Publication: Industry 4.0 and Advanced Manufacturing*
- Member of the Carnegie AI Safety Initiative (CASI) Club and active participant in AI safety-focused reading groups.
- Certified in Cybersecurity (CC) by ISC2