AKSHAY JAIN

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EDUCATION

University of Texas at Dallas   **Richardson, TX**
M.S. Computer Science   *May 2023*
- **GPA:** 3.7
- **Relevant Courses:** Big Data Security, Network Security, Information Security, Data and Application Security, IoT Security, Cloud Security
- **Certification:** NSA approved Graduate Certificate in Cyber Security

University of Mumbai   **Mumbai, India**
B.E. Computer Science   *May 2020*
- **GPA:** 3.7

PROFESSIONAL EXPERIENCE

Dematic KION Group   **Grand Rapids, MI**
Cyber Security Engineer IT Analyst   *May 2023 – Present*
- Inspected 25+ cyber security incidents daily, conducted client triage and forensic analyses of cyber-attacks, and comprehensive incident management process across network of 6 subsidiaries, resulting in a 17% reduction in the impact of cyber-attacks and reducing SLA such Mean Time to Respond and Remediate by 3%
- Collaborated in the 24x7x365 Cyber Security on-call schedule to ensure global security for the KION Group, working collaboratively with colleagues across the organization to maintain and monitor the security system
- Engineered 12+ Splunk queries to perform Threat Hunting across corporate network to identify risk and automate mitigation strategies by developing XSOAR playbooks ensuring that the organization's data and systems were secure and protected
- Orchestrated integration of multiple technologies with the SOAR platform, optimizing performance by developing automations and decreasing Mean Time to Resolution (MTR) by 30%, leading to a substantial improvement in cybersecurity effectiveness

CyberForce Q   **Plymouth, MI**
Associate Cyber Security Engineer Intern   *Dec 2022 – May 2023*
- Leveraged SOAR products to automate security incidents and created playbook for SOC automation, streamlining incident management processes, resulting in a 45% reduction in incident response time
- Built more than 2 REST API servers for training labs and audited 30+ custom python codes to facilitate the investigation and response of cases
- Engineered a framework to ingest 80+ cyber threat feed records daily and incorporate the data within firewall to update the block list based on the data

CyberCube Analytics   **San Francisco, CA**
DevSecOps Intern   *May 2022 – Jul 2022*
- Administered and programmed SPLUNK cyber threat intelligence ingestion system to improve security by 5% by extracting and ingesting data from 2 external threat intelligence sources
- Engineered 3 SPLUNK rules for monitoring security based on the developed risk model
- Facilitated designing of a CI/CD pipeline to automate the software delivery process and improve deployment speed by 25%
- Performed cohort data analysis to analyze threat intelligence entries by collaborating with cross-functional teams such as Data Engineering and Risk Management team and fastened data selection process by 30%

PROJECTS

Critical Infrastructure Attack Simulation, Sponsored by MITRE   *Aug 2022 – Dec 2022*
- Programmed an ICS environment using Graphical Realism Framework for Industrial Control Simulation v3
- Formulated 2 attack strategies to compromise the ICS components by exploiting basic vulnerabilities mapped to MITRE ATTACK for ICS Matrix

Detection and Prevention of Cyber Attacks on Mobile Networks   *May 2019 – May 2020*
- Designed a NIST based framework to detect and prevent 3 attacks on mobile networks: IMSI, ID theft and SMS phishing
- Assessed the data set of 190 countries improved the GSM authentication and encryption mechanism to prevent MITM attacks
- Incorporated ML algorithms to identify phishing URL's and block user access to malicious URLs with an accuracy of 97%

SKILLS & INTERESTS

Skills: C/C++, Python, YAML, MySQL, MS Excel, Git/GitHub
Frameworks: Splunk, XSOAR, Crowdstrike Falcon, Siemplify, Docker, NIST, AWS, STIX/TAXII
Achievements: Represented India internationally as a black belt in karate
Certifications: Crowdstrike Certified Falcon Responder, Crowdstrike Certified Falcon Threat Hunter

PUBLICATIONS

"Identity Theft Prediction Using Game Theory", ITM Web of Conferences, Jul '20