Sameer Kewalramani

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EDUCATION

Virginia Polytechnic Institute and State University   **Blacksburg, VA**
B.S. in Computer Science w/ Minor in CyberSecurity   **GPA:** 3.74 / 4.0   *Aug 2020 - June 2023*
George Mason University: Volgenau School of Engineering   **Fairfax, VA**
B.S. in Cyber Security Engineering   **GPA:** 3.75 / 4.0   *Aug 2019 - May 2020*
   - ❖ **Relevant Coursework:** Cyber Security, AI, Systems Engineering, Machine Learning, Software Design and Data Structures, HCI, Discrete Mathematics, Cryptography/Number Theory, Intrapersonal Communications
   - ❖ **Security Clearance:** Secret

SKILLS

   - ❖ Programming (Python, Java, C)
   - ❖ Linux, CentOs, Ubuntu
   - ❖ Docker
   - ❖ Wireshark
   - ❖ Reverse Engineering
   - ❖ Malware Analysis (Static, Dynamic)
   - ❖ Gradle
   - ❖ Cryptography
   - ❖ Gitlab
   - ❖ Agile
   - ❖ Jenkins

WORK & INTERNSHIP EXPERIENCE

Northrop Grumman   **Baltimore, MD**
Software Engineer Intern   *June 2022-August 2022*
   - ❖ Developed and configured a multi-branch pipeline to build tags and automatically load in their parameters once discovered
   - ❖ Implemented parallel processing of jobs and converted deployment from manual to automatic which reduced the time needed to run Jenkins jobs in a pipeline by over 50%
   - ❖ Edited Jenkinsfile in order to invoke upstream triggers to call functions within a separate file

CACI   **Sterling, VA**
DevSecOps Intern   *June 2021 - August 2021*
   - ❖ Created virtualized containers to forward code through a pipeline to verify it was built, tested, and deployed correctly
   - ❖ Used several docker tools to identify vulnerabilities, created a plan of remediation, and verified the functionality by building automated test cases within the pipeline
   - ❖ Tested various container runtimes, presented the most efficient method of deployment, and implemented it locally within multiple teams

ComForCare   **Fairfax, VA**
Technical Intern   *Summer 2019*
   - ❖ Created a HIPPA-compliant work environment by implementing access controls, procedures for handling ePHI, activity logs/monthly audits, risk assessments, and risk management policy
   - ❖ Tested the speed and effectiveness of several VPN services for the company, chose the optimal provider and employed it

PROJECTS

Drone Hacking Tournament   **Fairfax, VA**
   - ❖ Competed in a class race to see which team can crash a flying drone the fastest
   - ❖ Developed a bash script that unauthenticated the drone from an unsecured WiFi network and connected it to an evil twin access point that blocked the drone's transmissions

ACTIVITIES & LEADERSHIP

HackViolet   **Blacksburg, VA**
School-sponsored hackathon   Spring 2022
   - ❖ Created an application compatible with Amazon that would send the user an email if the product they have chosen falls below a specific price
   - ❖ The user enters a URL of the product and a price floor and would receive an email notifying the user with a link to the product within 3 minutes

Mason Competitive Cyber Club   **Fairfax, VA**
Green Track (Advanced) Member   *Fall 2019 – Spring 2020*
   - ❖ Meet weekly to prepare for cyber competitions such as Capture the Flag and the Collegiate Cyber Defense Competition
   - ❖ Conduct exploit exercises, dynamic malware analysis, cryptanalysis, and utilize reverse engineering software in VMs
   - ❖ Placed at InnovateGCL at Capital One by creating software to analyze the 'malicious percentage' of websites

Other Involvement
   - ❖ Indian Student Association, Youth Basketball Coach, American Red Cross, VT Honor Society