Nikhil Ranjan
Software/Cyber Security Intern

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Education

UNIVERSITY OF CALIFORNIA, SAN DIEGO
Bachelor of Science in Computer Science, June 2020

- Applicable Coursework: Analysis of Algorithms, Statistics for Engineers, and Computer Organization
- In Progress: Upper Division Classes including Operating Systems, Advanced Algorithms, and Software Engineering

Work History

- **US Government – Cyber Intrusion Intern** *(Summer 2018)* Investigated cyber intrusion cases with team of agents and technicians. Worked to classify certain Business Email Compromise cases to better understand the motivations and situations. Applied chainalysis to track stolen bitcoin throughout Blockchain. Used open-source tools to also track stolen Ethereum. Wrote Python script to parse through text files of email intrusions to create list of IP address hits. Used Macros to isolate contact information of scammers in 5500 row file.

- **Gilead Sciences – IT QSC & Risk Management Intern** *(Summer 2017)* Enhanced enterprise security and compliance with focus on Governance, Compliance, and Risk Management. Created active SIEM channels for Global SOC Manager using ArcSight for Security Management. Built real-time Tableau dashboards to track internet traffic for Chief Architect.

Select Accomplishments

- **Bay Area Technical Challenge –** Participated in the Bay Area Technical Challenge for High School and our team won in 3 of the 4 years that we participated for Creativity, Innovative-Approach

- **Computer Projects –** Worked on multiple projects in High School and as a Student at the University of California using Java and C. Aside from those projects, I have participated in hackathons and will continue to participate in them. I have also created my own website and used Bootstrap as a framework. I am now continuing to increase my knowledge specifically in Javascript for Web applications and Swift for iOS development.

- **Self Learning –** As part of my interest in Computer Science and Overall Risk Management, I have started to look at the some of the cybersecurity risk management challenges faced by many of the corporations and their inability to protect their Crown jewels. After comprehensive due diligence and research, I have written 2 papers and published 1. Working on publishing more on specific subjects of risk.

Skills

JAVA
- Object Oriented programming in Java with algorithms, inheritance, abstract and unit testing. Primarily used TextWrangler, IntelliJ IDE, and Atom.

Python/PHP
- Worked with python specifically creating a times table, recursion factorial algorithms and sort algorithms including bubble, and selections sort. Specifically used Python in the USG to parse files for investigations. Learned basic PHP to begin web-development background.

HTML/CSS/Bootstrap
- Used Bootstrap framework to create a personal webpage for myself. Incorporated HTML5 and CSS3 for a simple, uncluttered, and informative design. Website also incorporates SSL.

Tableau
- Used Tableau at Gilead Sciences to provide enhanced cybersecurity data analytics in close to real-time across different VM's, Data Centers, Security Tags, and Ports.

Leadership and Planning
- Exemplified leadership in many different settings including sports, out-of-school events, and projects. Able to adapt and take initiative when needed to support the group.

Teamwork and Collaboration
- Experience with large groups and teams have allowed me to advance my communication skills. Worked with cross-functional teams within Gilead Sciences to support different enterprise efforts.