

Sreyash Ratna Tripathi

sreyashtripathi.com

Education:

Carnegie Mellon University, Pittsburgh, PA

December 2021

Master of Science in Information Security (GPA: 3.86/4.0)

Courses: Network Security, Introduction to Information Security, Applied Information Assurance, Malware Reverse Engineering, Fundamentals of Networking, Introduction to Computer Systems

Professional Experience:

Activision, Los Angeles, CA

Information Security Intern

May – August 2021

- Confidential

KPMG, Gurgaon (NCR), India

Associate Consultant

April 2019 – July 2020

- Spearheaded Network Security and Cyber Incident Response engagements on 10 clients, both in the Indian subcontinent and overseas.
- Led teams for Cyber Incident Response, Network Security, and Infrastructure Security in KPMG's biggest cyber transformation project at UIDAI – Aadhaar (the world's largest biometric-based identification system) in India.

KPMG, Gurgaon (NCR), India

Analyst

July 2017 – March 2019

- Conducted Network Security, Cyber Incident Response, and Cyber Red Team engagements for 12+ clients.
- Performed IT Security Audits, Network Architecture Reviews, VAPT, and Threat Intelligence gathering for 20+ clients.

KPMG, Gurgaon (NCR), India

Trainee

January – July 2017

- Executed VAPT, Configuration Review, and Network Security Review in 11+ client engagements.

Projects:

The Dumping Scandal, CMU

Team Member (3-person team)

January – May 2021

Created CTF style lab for Incident Response and Network Forensics using Arkime that included exploitation of SMBv1 using EternalBlue and brute-force attack on FTP which students had to analyze and find IoCs.

Optimizing RUDY Attack, CMU

Team Member (2-person team)

January – May 2021

Designed a reinforcement-based RUDY attack model that targeted traditional static mitigations that check for parameters like data rate, packet size, content length, etc. intending to bypass them.

Implementation Projects, KPMG

Project Lead (2-4-person team)

January 2018 – July 2020

Planned and Supervised 10+ internal projects at KPMG, such as the development of KPMG's threat intelligence solution, Offensive Infrastructure program, and implementation of the ELK platform, and a VPN server.

RESecure, Individual Research

Co-Creator (3-person team)

July 2018 – January 2019

Co-created a threat intelligence platform and customized programs to integrate, curate, and enrich threat feeds from 60+ resources. Tested the rescue.fruxlabs.com portal.

Skills:

Programming Languages: Python, C, C#

Strong Suites: Network Security, Cyber Incident Response, Root Cause Analysis, Red/Purple Team Exercises

Hardware Owned: Proxmox3, Crazy Radio, Raspberry Pi (three and Zero), USB Rubber Ducky, Cloud Servers

Leadership and Co-Curriculars:

Vice President, Grad Organization @ INI, Carnegie Mellon University

June – December 2021

Ranked 12th, KPMG Global CTF with Immersive Labs

May 2020

Accolades, Award for exceeding responsibility at KPMG

December 2019

In Charge, Cyber Security Lab Infrastructure Management, KPMG

July 2017 – November 2019

Coordinator, Trainee induction and Mentoring program, KPMG

January – July 2018

Super Team, Award for extraordinary performance by a project team at KPMG

December 2018

Accolades, Award for technical achievement at KPMG

March 2018