

Survy Pratap Singh

Mo: (937) 581-6431 | singh.survy@gmail.com

Website: <http://survy.com/> | LinkedIn: <https://www.linkedin.com/in/survy/>

SUMMARY:

Current MS student and IT Security professional with 4.5 years of diversified experience in infrastructure security, vulnerability assessment, threat intelligence, perimeter endpoint security, QA, and development.

EDUCATION

WRIGHT STATE UNIVERSITY - Dayton OH, USA

Jul. 2017(Expected)

Masters in Cyber Security - GPA: 3.85/4

Concentration: Cyber Network Security, Host Computer Security, Cloud Computing Security, Information Security and IOT Security.

Campus Job: Java Programmer Assistant in CS department, for assisting undergrad student with their programming projects.

SRM UNIVERSITY - Chennai, India

Jul. 2012

Bachelors of Technology – GPA 3.5/4

CERTIFICATIONS & SKILLS

Certifications: CompTIA Security+, Certified Ethical Hacker (CEH V8), Qualys Specialists Vulnerability Management Certified, MCITP -2008 R2

Venafi Security Certified Administrator 16, Oracle Certified Java Programmer (SCJP 6), OCVCD, CISSP- In Progress.

IT-Security: PKI SSL Certificates Management, SSH Keys Management, Firewall Rules Management, Vulnerability Assessment, Threat Intelligence, IAM, Palo Alto Next Gen Firewall, Venafi, Qualys Guard, SecureAuth, Nessus.

Programming: JAVA, Python, PowerShell, Excel Macros, Bash Scripting, Hadoop Map Reduce.

PROFESSIONAL EXPERIENCE

NISOURCE - Columbus OH, USA

May. 2017 – Jul .2017

Cyber Security Intern – Energy Utility Sector

- Optimization of checkpoint firewall by cleaning up the unwanted firewall rules by using Firemon Security Manager tool.
- Performed threat analysis by using Palo Alto next generation Firewall (PA 5050 series).

SOUTHWEST AIRLINES - Dallas TX, USA

Jan. 2017 – May. 2017

Cyber Security Engineering Intern – Airlines

- Enhanced security of server to server communication by remediating 50K weak SSH keys with 2048 bits SSH keys.
- Improved security of PKI SSL implementation across various applications by replacing SHA-1 certificates with SHA-256 certificates.
- Performed daily task of rotating, issuing and managing SSH keys and SSL certificates in Venafi Trustworthy tool.
- Coordinated with application owners to understand their requirements regarding SAML integration for user authentication on 3rd party application and implementation of SSO and MFA on third party application using SecureAuth IAM tool.
- Automated various manual processes for generating weekly metrics using Excel Macros and PowerShell, which helped in increasing the overall productivity of the team.
- Shadowed Threat Intelligence team for learning the standard operating procedure for handling the incidents detected by ArcSight SIEM.

DSW INC - Columbus OH, USA

May. 2016 – Aug. 2016

Cyber Security Intern - Retail Sector

- Documented standard operating procedure (SOP) for Qualys vulnerability assessment tool, Tripwire FIM tool, TrendMicro antivirus, CyberArk, and Proofpoint email spam scanner.
- Coordinated with IT operations team for the patching of Severity 5 & 4 level system vulnerabilities, thus enhancing the overall IT infrastructure security.
- Performed daily task of Ad-hoc vulnerability assessment using Qualys tool, and file integrity management using Tripwire FIM tool.
- Investigated incidents detected by Symantec DLP tool and coordinated with respective application teams for resolving the incidents.
- Automated Tripwire FIM to automatically generate the tickets for unauthorized changes with respective applications teams which reduced the manual effort for raising the tickets by 85%.

ACCENTURE - Pune MH, India

Apr. 2012 – Aug. 2015

IT Engineering Analyst – Banking Domain

- Developed a TATC framework for testing of middleware web services using Parasoft SOA test tool, which became the standardized framework for SOA testing within the team.
- Performed vulnerability assessment of a web application for JPMC client by using Nessus tool and Burp Suite Proxy and helped them in improving the security of the application.
- Managed a team of 4 quality analysts and trained new team members on SOA middleware testing using Parasoft tool.
- Received the “Accenture Financial Services Zenith Propel Award” at Accenture India Delivery Center level in 2014 and “Performer of the Quarter” award in 2013.

ACADEMIC PROJECTS

DDOS Attack Detection Tool: Developed a tool to analyze and inspect the internet packets for detecting the distributed denial of service attacks from multiple IP's.

Android Weather Forecast Application: Developed a location-based weather forecast mobile application, by using 3rd party weather API services for updates.