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| **Archana Attili**  **Cybersecurity** | | | |
| **Phone: (312)-838-5293 | Email: archana.edu2021@gmail.com| Location: IL** | | | |
| **Summary**     * 5 years of experience in Analyzing Security Incidents, Vulnerability, Network Analysis, Information Security, and Network Security functions. * Experience in firewall rule creation and pushing policy in an enterprise environment, IP traffic flow, analyzing and capturing of live traffic using TCPDUMP, Wire shark, and FW monitor. * Extensive Knowledge of LAN/WAN networking concepts - TCP/IP, routing and switching, OSI Layer, Packet Analysis, Logs, Endpoint and network protection, port and internet protocols, and scripting languages. * Expert in Managing and Protecting large Enterprise data and Network Systems. * Excellent Knowledge of various Vulnerability management tools such as Nessus and Nexpose. * Analyzing Security Incidents, Vulnerability and Penetration Testing, Network Monitoring, Information Security, and Network Security functions. * Excellent knowledge on Signature development * Working knowledge of using Nessus, Nmap, Nexpose, Microsoft word, Excel, PowerPoint, and Outlook. * Worked with IDS/IPS technologies. * Knowledge on vulnerability assessment and penetration testing using various tools such as Burp Suite, Snort, Nmap, Nessus, TCPDUMP, etc..   **Education**  **Masters in cyber security, Networking and Infrastructure concentration**  DePaul University, Chicago, IL  **B. Tech in Electronics and Electrical Engineering**  Gayatri Vidya Parishad College of Engineering, Andhra Pradesh  **Skills** | | | |
|  | **Networking Protocols:** | TCP/IP, IPv4, VPN, HTTP, DNS, LAN/WAN, OSPF, BGP, SNMP, SSH |  |
| **Security Tools:** | Nmap, Snort, TCPDUMP, Nessus, Wireshark, HIDS/HIPS, SIEM, Active Directory, IDS, IPS, DHCP, Burp suit, OWASP, Traceroute, VMWare, Metasploit, Mimikatz, password cracker tools, etc. |
| **Operating System:** | Windows, Linux |
| **DePaul university | Mar 2021 – Aug 2022**   * Revised and learnt various networking and network security concepts. * Done various assignments that involved vulnerability assessments, risk assessments and compliance. * Worked on finding out flags (that were placed at different places in the systems) with penetration testing techniques and by using various penetration testing tools. * Actively involved in group discussion and presentations during this course of study and passed out with distinction of 3.92 GPA. | | | |

**Experience**

**Freescale Semiconductor | Feb 2011 – Mar 2016**

**Microsoft, HP | Design, Coding and Testing. Responsibilities:**

* Worked with IDS/IPS while enhancing Application Identification Software (AIS) on the proprietary devices.
* Conducted various vulnerability scans using tools such as Nessus.
* Signature development which involves writing signatures for various kind of vulnerable attacks.
* The objective also comprises identifying and writing scripts for the design flaws, misconfiguration, and vulnerabilities in the application and its environment.
* Involved in identifying the application-level vulnerabilities using the techniques like Privilege escalation, Session hijacking, Cross-site scripting, Cookie manipulation, SQL injection, Buffer overflows etc.
* Involved in analyzing the design flaws and input/output validations of applications thereby providing the detailed reports of vulnerabilities with knowledge on various networking protocols.
* The activity constitutes exploiting the vulnerabilities associated with the web assets involved to gain sensitive information resources of the client.
* Analyzing various traffic to identify the flaws and recognizing false positives and false negatives.

**HP | Software Developer Responsibilities:**

* Worked on bringing up the Openwrt web page of the AIS software and debugged the issues with it.
* Worked on the bugs, solved various issues, and tried to understand the code base on how this software runs.
* Debugged issues with http and https sites.
* Tested the code for the detection of couple sites such as Viber, Fring, etc, that are using traffic characterization.
* Worked on warnings from both kernel and user space and used the Klockwork for identifying the same

**WC | Design, Coding and Testing. Responsibilities:**

* Brought up the Barrier breaker version for kernel 3.2 along with its existing features.
* Worked on git and stash repositories to make any changes in the code base.
* Worked on bringing up Openwrt-Chaos Calmer version on kernel 3.10 on the Freescale board LS1024A as to meet the requirements of the customer.