

Devi Venkata Sai Prasad Annu

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CERTIFICATIONS

- **EC-COUNCIL**, Certified Ethical Hacker (CEHv11), April 2022
- **Microsoft**, MTA – Security, June 2022
- **NPTEL**, Ethical Hacking, April 2022

RELEVANT EXPERIENCE

SOC Analyst Tier I

Repo Builders, New Delhi, India | May 2022 – May 2023

- Monitored and analyzed security alerts and incidents using SIEM tools like Splunk and ArcSight to detect and respond to potential threats.
- Conducted initial triage and investigation of security incidents, escalating complex cases to senior analysts to ensure thorough incident resolution and providing detailed documentation of findings.
- Performed regular system and network vulnerability assessments to identify security gaps and recommend remediation measures, enhancing the overall security posture.

Cybersecurity Analyst Intern

Repo Builders, New Delhi, India | January 2022 – April 2022

- Collaborated with the IT team to implement security policies and procedures, ensuring compliance with industry standards and best practices for improved security.
- Conducted vulnerability assessments and penetration testing to identify and remediate security weaknesses in systems and applications, enhancing overall system security.

TECHNICAL SKILLS

- **Programming Languages:** C, C++, Python, SQL, HTML, CSS
- **Penetration Testing:** Metasploit, Burp Suite, Hydra, Nmap, Wireshark, OWASP-ZAP, Netcat
- **Operating Systems:** Windows, Linux, Remnux, Ubuntu, Flare VM, Virtualization
- **Routing & Switching Protocols:** BGP, OSPF, RIP, MAC, LLDP, ARP, TCP/IP, DHCP, ADS, DNS, SMTP, FTP, HTTP/S, SSL/TLS
- **SOC:** SIEM, IDS, IPS, Vulnerability Management, Security Monitoring, Cyber Threat Hunting, Log Analysis, Mitigation
- **Frameworks:** NIST, ISO, GDPR, HIPAA, PCI-DSS Compliance
- **Malware Analysis:** Static Analysis, Dynamic Analysis, Reverse engineering, Debugging, Behavioral analysis, YARA Rules

ACADEMIC PROJECTS & LABS

Secure File Storage in Cloud Computing using Hybrid Cryptography Algorithms

- Implemented a key distribution system, delivering keys directly to designated email IDs, to ensure accuracy and minimize unauthorized access.
- Conceptualized and applied advanced cryptography algorithms, AES and RSA, to achieve 256-bit encryption strength for robust protection of sensitive data.

Petya Malware Report

- Analyzed and reverse-engineered Petya malware using tools like IDA Pro, Ghidra, and OllyDbg to identify its propagation methods, encryption mechanisms, and attack vectors, contributing to a deeper understanding of advanced persistent threats.
- Compiled detailed analysis reports and presented findings, utilizing YARA rules, Wireshark, and Splunk for network analysis and providing actionable recommendations to strengthen network security and optimize incident response strategies.

BGP Exploration and Attack

- Configured BGP with advanced features like BGP Large Communities to simulate real-world network environments and troubleshoot routing issues effectively.
- Conducted hands-on labs on BGP security, including network prefix hijacking and attack mitigation techniques, to enhance understanding of network vulnerabilities and protection strategies.

EDUCATION

MS in Cybersecurity

Pace University, Seidenberg School of Computer Science and Information Systems | May 2025 | GPA: 3.7

Bachelor's degree in Information Technology

Vignan's Lara Institute of Technology & Science | May 2023 | GPA: 3.3