

Vedang Lad

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College Park, MD (open to relocation anywhere in the US; looking for onsite, hybrid or remote roles)

PROFESSIONAL EXPERIENCE

Cybertrust America <i>Cyber Security Analyst</i>	August 2024 – Present <i>San Jose, California</i>
<ul style="list-style-type: none">Performed vulnerability assessments on the organization’s website using OWASP ZAP, identifying security weaknesses.Validated vulnerabilities using Burp Suite, ensuring accuracy by eliminating any false positives.Collaborated on generating detailed reports of findings and provided recommendations to mitigate identified vulnerabilities.Assisted in developing incident response plans and playbooks, and supported the implementation of IR recommendations.	
Vodafone Intelligent Solutions <i>Senior Executive (ETL Developer)</i>	August 2020 - July 2022 <i>Pune, India</i>
<ul style="list-style-type: none">Reduced data processing time by 50% for multiple ETL processes through enhancements to existing shell scripts.Achieved a 15% improvement in database performance by optimizing SQL queries and PL/SQL procedures.Successfully migrated legacy Oracle reports to Qlik Sense, enabling faster access to data insights for better decision-making.Conducted thorough code reviews and implemented best practices, leading to a 30% reduction in post-release bugs.	
Orane Labs Private Limited <i>Web Backend Developer Intern</i>	January 2019 - June 2019 <i>Pune, India</i>
<ul style="list-style-type: none">Developed multiple web features using Python and the Flask Framework, resulting in a 60% increase in user engagement.Utilized the Robot Framework for automated website testing, effectively reducing manual testing time.Successfully fixed bugs in the website source code, enhancing overall stability.Used Git for code management by handling branch creation, merging and conflict resolution for better team collaboration.	

TECHNICAL SKILLS

Security Tools	: Burp Suite, Wireshark, Nmap, Metasploit, OWASP ZAP, Splunk, GDB, Ghidra
Programming Languages	: Bash Scripting, Python, JavaScript, C, SQL, PL/SQL, HTML, CSS
Operating Systems	: Linux, Windows
Cloud Platforms	: AWS, GCP
Other Skills/Knowledge of	: MITRE ATT&CK, Scripting, Automation, Git, Microsoft Office, Google AppScript
Interpersonal Skills	: Quick Learner, Attention to Detail, Troubleshooting, Problem-solving, Team Collaboration

CERTIFICATIONS

<ul style="list-style-type: none">CompTIA Security+, <i>CompTIA</i>Certified in Cybersecurity (CC), <i>ISC2</i>	<ul style="list-style-type: none">Practical Ethical Hacking, <i>TCM Security</i>Certified Penetration Testing Specialist (CPTS), <i>HackTheBox (In-progress)</i>
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EDUCATION

Master of Engineering in Cybersecurity <i>University of Maryland</i>	August 2022 - May 2024 <i>College Park, Maryland</i>
Bachelor of Technology in Information Technology <i>Symbiosis Institute of Technology</i>	July 2016 - May 2020 <i>Pune, India</i>

ACADEMIC PROJECTS

Masked DJ Cybersecurity Assessment <i>Penetration Testing, Vulnerability Assessment Report, Active Directory, Kali Linux</i>	
<ul style="list-style-type: none">Conducted a comprehensive network security assessment within a dynamic Active Directory environment.Utilized a diverse range of penetration testing tools to pinpoint and exploit critical vulnerabilities.Crafted a thorough penetration testing report consolidating network enumeration and vulnerability exploitation findings.Recommended measures that bolstered security resilience and risk mitigation within the network infrastructure.	
Digital Forensics: Investigating Anomalous Incidents <i>Autopsy, Wireshark, Python, Malware Analysis, Digital Forensics</i>	
<ul style="list-style-type: none">Conducted in-depth forensics assessment on a malware affected machine using Autopsy and Wireshark.Performed detailed log collection and analysis of encoded network communications and user activities.Prepared a concise, detailed forensic report summarizing findings, methodologies, and mitigation recommendations.	
Project Sensei Cloud <i>Amazon Web Services, Cloud Security, Documentation</i>	
<ul style="list-style-type: none">Designed a comprehensive cloud migration strategy for a video streaming application, leveraging AWS services.Executed a successful demo migration of the application to AWS, integrating services like IAM, EC2, S3, WAF and Shield.	
Data Acquisition Using IoT Sensors for Smart Manufacturing Domain <i>Scripting, Automation, Google Cloud Platform</i>	
<ul style="list-style-type: none">Implemented a real-time data acquisition system using Raspberry Pi to enable predictive maintenance capabilities.Developed Python and Bash scripts to achieve automated sensor data collection and aggregation.Implemented seamless upload of collected data to Google Cloud for storage and analysis.Published project findings in IICT-2020 conference proceedings. [Research Paper]	

RELEVANT COURSEWORK

Penetration Testing, Network Protocols, Network Security, Secure Operating Systems, Reverse Software Engineering, Digital Forensics and Incident Response, Cloud Security, Security Tools for Information Security, Hacking of C Programs and UNIX Binaries, Advanced Hacking of Linux and Embedded Systems