

LAVI SAINI

Cybersecurity Professional

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Roorkee, Uttarakhand

CERTIFICATIONS

- C Programming Certification – Quick Heal
- Python Programming Certification – Quick Heal
- Java Programming Certification – Quick Heal
- Network Defense Essentials – EC-Council
- Introduction to Cyber Security – Cisco Networking Academy
- Advanced Networking & Basics of Information Security – Quick Heal Academy

SKILLS

- Vulnerability Assessment
- Penetration Testing
- Malware Analysis
- Network Security Monitoring
- Intrusion Detection Systems (IDS)
- Secure Network Architecture Design
- Threat Detection and Mitigation
- Cybersecurity Protocol Implementation
- Security Risk Assessment
- Network Traffic Analysis
- Information Security Management
- Python Programming for Security
- C Programming
- Basics of Networking & Trusted Operating Systems
- Basic C++ Programming
- Java Development
- Ethical Hacking
- Incident Response
- SQL Database Management
- Security Tools: Kali Linux, Burp Suite, Wireshark, SQLmap
- Postman for API Testing
- Cyber Threat Intelligence

PROFILE SUMMARY

Dynamic and detail-oriented Cybersecurity Professional with hands-on experience in vulnerability assessments, penetration testing, malware analysis, and network security monitoring. Proven ability to identify security gaps, mitigate risks, and implement robust security protocols, reducing vulnerabilities by 25% and decreasing malware incidents by 15% during an internship with Tarana Work Abroad Consultancy. Skilled in using tools like Kali Linux, Burp Suite, Wireshark, SQLmap, OWASP ZAP, and Palo Alto Firewall to analyze and fortify system security. Recently enhanced expertise in OWASP Top 10 vulnerabilities, OWASP ZAP tool, and Palo Alto Firewall, earning certifications in January. Adept at collaborating with cross-functional teams to enhance cybersecurity frameworks, optimize network performance, and strengthen organizational security postures.

WORK EXPERIENCE

Security Analyst Intern

Jun 2024 – Aug 2024

Tarana Work Abroad Consultancy Private Limited, Dehradun

- Performed in-depth vulnerability assessments using industry-standard tools, resulting in a 25% reduction in security risks.
- Conducted penetration testing to proactively identify and remediate potential security threats, enhancing system resilience.
- Executed advanced malware analysis, implementing robust preventive strategies that decreased security incidents by 15%.
- Engineered and optimized secure network architectures, improving overall network performance and fortifying security measures.
- Utilized network traffic analysis tools to monitor for anomalies, enabling swift detection and response to cybersecurity threats.
- Partnered with cross-functional teams to develop and implement comprehensive cybersecurity protocols and best practices, strengthening organizational security posture.

PROJECTS

Network Design and Simulation

- Designed and implemented secure network architecture using Kali Linux and Wireshark.
- Monitored network traffic to detect anomalies, optimizing performance and reducing potential breaches by 20%.

Malware Analysis Tool Using Python

- Developed a Python-based tool to detect and analyze malware using advanced algorithms.
- Improved detection accuracy and threat mitigation efficiency.

Intrusion Detection System Using Python

- Designed and deployed an intrusion detection system for monitoring unauthorized activities.
- Utilized Python for real-time anomaly detection, enhancing response times.

EDUCATION

B.Tech. in Computer Science (Hons.)

Quantum University (Expected August 2025)
CGPA: 7.5

Undergraduate Diploma in Computer Science

Quantum University (August 2019 – July 2022)
CGPA: 7.5

ITI (Industrial Training Institute)

GOVT, ITI Delna, Haridwar (August 2017 – August 2019)
Percentage: 69%

ACHIEVEMENTS

- Awarded Red Belt in Karate, showcasing discipline and dedication.
- Led the university karate team to regional championships, managing activities for 8 members.
- Played a pivotal role in organizing successful college events, demonstrating leadership and organizational skills.

Dear Hiring Manager

I am writing to express my interest in the Cybersecurity Analyst/Information Security Specialist position at your Company. As a dynamic and detail-oriented cybersecurity professional with hands-on experience in vulnerability assessments, penetration testing, malware analysis, and network security monitoring, I am excited about the opportunity to contribute to your organization's security framework.

During my internship at Tarana Work Abroad Consultancy Private Limited, I conducted comprehensive vulnerability assessments that reduced security risks by 25% and implemented advanced malware prevention strategies, decreasing incidents by 15%. My experience includes performing penetration tests, designing secure network architectures, and utilizing network traffic analysis tools like Wireshark and SQLmap for real-time threat detection. Collaborating with cross-functional teams to develop robust cybersecurity protocols has further honed my ability to safeguard critical systems effectively.

In addition to my technical skills in Python, C, and Java, I am proficient in using security tools such as Kali Linux, Burp Suite, and SQLmap. My academic background in Computer Science (B.Tech.) from Quantum University has provided me with a strong foundation in cybersecurity principles, complemented by certifications in Python, Java, and C programming.

I am enthusiastic about the possibility of applying my skills and passion for cybersecurity to your Company. I am confident that my proactive approach to identifying vulnerabilities, mitigating threats, and enhancing network security aligns with your organization's goals.

Thank you for considering my application. I look forward to the opportunity to discuss how my background and skills can contribute to strengthening your Company's cybersecurity posture.

Sincerely,
Lavi Saini