

# Sidharath Sharma

Cyber Security

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## Objective

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Cybersecurity Master's graduate skilled in penetration testing, threat intelligence, and network security tools like Metasploit, Burp Suite, and Nmap. Eager to apply my hands-on experience and technical expertise to safeguard IT infrastructures, enhance threat detection capabilities, and contribute to building robust security frameworks in a dynamic cybersecurity environment.

## Skills & abilities

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- **Penetration Testing:** Expertise in MySQL injection, password cracking, and malware detection. Hands-on experience with tools like Metasploit, Burp Suite, and Nmap for web application and network security testing.
- **Programming Languages:** Proficient in Python, PHP, and JavaScript for writing security scripts and web application vulnerabilities.
- **Operating Systems:** Skilled in Windows and Linux environments, with experience in system hardening and security configuration.
- **Cybersecurity Principles:** Strong understanding of encryption, firewalls, IDS/IPS, and network security protocols.
- **Network Scanning & Vulnerability Assessment:** Experience in using tools like Nessus, Metasploit, Wireshark, and Nmap for network reconnaissance, vulnerability identification, and penetration testing.
- **Cyber Threat Intelligence (CTI):** Expertise in analyzing attacker tactics, techniques, and procedures (TTPs), and enhancing defenses against cyber threats.
- **Firewall Vulnerability Analysis:** Practical knowledge of firewall bypass techniques, risk assessment, and implementing countermeasures.
- **Incident Response:** Strong skills in handling cybersecurity incidents, with a focus on real-time detection and mitigation strategies.
- **Communication:** Adept at conveying technical concepts to both technical and non-technical audiences.
- **Data Analysis & Presentation:** Proficient in analyzing security data and presenting findings to stakeholders.
- **Design Thinking & Problem Solving:** Innovative approach to solving complex cybersecurity challenges with a focus on security architecture and mitigation strategies.

## Experience

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Stephen. F Austin State University | Graduate Teaching Assistant

Jan - Dec 2024

- Assisted professors in the classroom, including compiling and marking test questions.
- Supervised examinations and provided performance evaluations for students.
- Conducted research and presented findings on various cybersecurity topics.
- Taught introductory HTML and CSS to students, enhancing their web development skills.
- Delivered lectures on fundamental cybersecurity concepts, fostering a strong understanding of the subject among students.

## Hypotenuse Corporation Pvt.Ltd | Sr. Frontend Developer

2020-2022

- Developed user-centric websites, optimizing load speed and design.
- Implemented new web technologies to enhance applications, ensuring secure and efficient performance.
- Created comprehensive documentation and collaborated with cross-functional teams to deliver high-quality web solutions.

## Digipanda Consulting Pvt.Ltd | Web Developer

2019-2020

- **Developed User-Centric Layouts:** Built responsive layouts using HTML5 and CSS3 according to customer parameters, ensuring optimal user experience across various devices.
- **Designed Websites and Applications:** Created websites, portals, and large-scale web applications for multiple clients, focusing on user-friendly interfaces and functionality.
- **Enhanced Site Performance:** Implemented performance improvements to boost load speed and site efficiency, enhancing overall user engagement.
- **Improved UI/UX:** Redesigned existing websites to enhance navigation and visual appeal, resulting in improved user satisfaction and retention.
- **Validated Code for Quality and Security:** Ensured code quality by validating for proper structuring, security compliance, and compatibility with different browsers and devices.
- **Implemented Responsive Design:** Developed websites that were fully responsive, providing a seamless experience on various screen sizes and devices.
- **Managed Data Backup:** Conducted regular backups of web files to local directories to prevent data loss and ensure continuity.
- **Resolved Technical Issues:** Identified and resolved issues related to data transformation, enrichment, and form submissions in prebuilt websites, improving site functionality.
- **Converted PSD to Web:** Translated PSD designs into fully functional websites using WordPress and HTML, aligning with client specifications and design expectations.

## Vanser Technologies | Jr. Web Developer

2018-2019

- Applied effective SEO practices to enhance website visibility and performance.
- Researched and evaluated alternative solutions to determine the best technical approaches for development projects.
- Regularly updated the project manager on milestones and provided detailed project reports.
- Collaborated with team members to define, design, and estimate time and resources for development initiatives.

## Education

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### Stephen F. Austin State University, USA

Master's in Cyber Security | Graduated: Dec 2024

### Kurukshetra University, India

Bachelor's in Electronics and Communication | Graduated: 2018

## Certification

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### Mastercard Cybersecurity Virtual Experience Program | Forage | March 2024

- Completed a job simulation focusing on threat identification and security awareness.
- Developed and implemented training programs to mitigate phishing risks and enhance security posture.

## Projects

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### Windows 10 Firewall Bypassing Using Cyber Threat Intelligence Techniques

- Conducted vulnerability assessment and penetration testing on Windows 10 Firewall using Nmap, Metasploit, and Shodan.
- Implemented advanced cyber threat intelligence (CTI) strategies like DNS tunneling, packet crafting, and port knocking for firewall bypass.
- Developed mitigation strategies including enhancing firewall rules and real-time monitoring techniques.
- Recommended integration of pfSense for improved network security and continuous threat detection.

### USB Data Theft Investigation

- Conducted a forensic analysis using Autopsy and Kali Linux to investigate unauthorized USB data transfers.

### Military Database Management Systems

- Led a team to develop secure front-end and back-end solutions using PHP and MySQLi, focusing on SQL injection prevention.

### Chat Console System Using gRPC

- Developed a robust chat application with Python and gRPC for seamless and secure communication.

## Recommendations

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[jeffrey.zheng@sfasu.edu](mailto:jeffrey.zheng@sfasu.edu) Jianjun Jeffrey Zheng (Assistant Professor)

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