

# TUSHAR BASAK

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## OBJECTIVE

Cybersecurity professional with 2+ years of IT support and security operations experience. Familiar with vulnerability assessment, penetration testing, SIEM tools, incident response, and log analysis. Strong foundation in network security, endpoint protection, and Python automation. Seeking to contribute technical expertise to strengthen organizational defenses and mitigate cyber risks.

## EXPERIENCE

<b>Ethical Hacking Intern</b> InLighn Tech	Aug 2025 – Current <i>Remote</i>
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- Gained hands-on exposure in **penetration testing** and **vulnerability exploitation** using labs such as DVWA, bWAPP, and Metasploitable2.
- Practiced attacks including **SQL Injection, XSS, Command Injection, and Privilege Escalation**.
- Completed **15+** guided projects.

<b>IT Support Engineer (Project-Based, Off-Role)</b> Secure Life HR Service Private Ltd.	Jan 2023 – Jun 2025 <i>New Delhi</i>
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- Organized new office setups for client sites, configuring **VLANs**, internal networks, and secure connectivity.
- Deployed and hardened **Windows systems** for HR teams, ensuring smooth operations and compatibility.
- Provided on-site **IT troubleshooting** for end-users, resolving hardware, software, and network issues.
- Worked across multiple cities, completing client projects **ahead of deadlines**, significantly improving efficiency and client satisfaction.

## TOOLS & SKILLS

- Networking & System Support:** VLANs, LAN/WAN, DHCP, DNS, VPN, Firewall setup
- Operating Systems:** Windows (installation, hardening, troubleshooting), basic Linux (Ubuntu, Kali)
- Security Tools:** Nmap, Wireshark, Nessus, Burp Suite, Metasploit, Netcat
- Identity & Access Management:** Active Directory, Group Policy, user provisioning
- Scripting & Automation:** Python (simple security tools), Bash, PowerShell (basic log parsing)

## EDUCATION

<b>Master of Computer Applications</b> , Manipal University, Jaipur <b>CGPA: 8.92</b>	May 2021 - July 2023
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<b>Bachelor of Science</b> , Swami Vivekananda Subharti University, Meerut <b>Percentage: 68.5%</b>	July 2016 - Dec 2019
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## CERTIFICATIONS

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| <ul style="list-style-type: none"><li>Tata Strive - Cybersecurity Trainee Program<br/><b>Tata Strive   SAP India</b></li><li>Tata Group - Cybersecurity Analyst Job Simulation<br/><b>Forage</b></li></ul> | <a href="#">View</a><br>May 2024 – Sept 2024<br><a href="#">View</a><br>July 2024 |
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## PROJECTS

- Command Injection Execution (InLighn Tech):** Practiced exploiting **command injection vulnerabilities** on DVWA and bWAPP to execute system commands, perform blind injections, bypass input filters, and establish reverse shells. Tools: *DVWA, bWAPP, Kali Linux, Burp Suite, Netcat, TryHackMe*. Reported exploitation steps and proposed **mitigation techniques** such as input validation and parameter sanitization.

- **Web & Binary Exploitation Labs (PortSwigger & TryHackMe):** Completed 30+ labs on PortSwigger covering OWASP Top 10 vulnerabilities such as *SQLi*, *XSS*, *CSRF*, *SSRF*, and 5+ machines on TryHackMe involving *privilege escalation*, *misconfigurations*, and *secure coding flaws*. Strengthened practical skills in **reconnaissance**, **exploitation**, and **remediation**.
- **Penetration Testing on Metasploitable2 and IoT Device:** Conducted full-scope **VAPT** by scanning with *Nmap*, identifying vulnerabilities, and exploiting them using the *Metasploit Framework*. Demonstrated exploits such as *buffer overflows* and *firmware backdooring*. Documented findings and proposed mitigations aligned with **CVSS scoring**.

LEADERSHIP

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**City President**  
BloodConnect Foundation

Jan 2023 - Dec 2023  
*Kanpur, UP*

- Spearheaded a 2-tier team of 20+ students, efficiently managed a budget of INR 2.5 LPA, and improved helpline processes for enhanced customer satisfaction.
- Organized 20+ blood donation camps, collecting 1K+ units of blood, impacting 3K+ lives, and inspiring campus community participation.
- Demonstrated leadership, budget management, process improvement, and community engagement.