

Ankush Gupta

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[LinkedIn](#) | GitHub | [Portfolio](#)

PROFESSIONAL SUMMARY

Proactive and data-driven Cybersecurity practitioner with hands-on experience in offensive security, vulnerability management, and full-stack development. Leverages data analysis techniques to identify attack patterns, quantify risks, and automate threat detection. Proven ability to translate security data into actionable intelligence, evidenced by successful bug bounty awards, a global CTF ranking, and the development of open-source security tools. Eager to apply a unique blend of penetration testing, security automation, and data analytics to proactively defend complex systems.

TECHNICAL SKILLS

- **Programming & Scripting:** Python (Pandas, NumPy, Requests), JavaScript, SQL, Java, Solidity
- **Frameworks & Libraries:** Spring Boot, Bootstrap, Matplotlib/Seaborn
- **Security Tools:** Burp Suite, Metasploit Framework, OWASP ZAP, Nmap, John the Ripper, Hydra
- **Data & Analytics Platforms:** SIEM Fundamentals, Jupyter Notebook, Excel/Sheets (Pivot Tables, Charts)
- **Concepts & Methodologies:** VAPT, Threat Intelligence Analysis, Trend & Pattern Recognition, Digital Forensics, Smart Contract Auditing, Cryptography, Network Scanning, Reconnaissance, Automation

EXPERIENCE

Cybersecurity Intern | ShadowFox | Remote | Jun 25 - Jul 25

- Performed comprehensive vulnerability assessments, utilizing Nmap for discovery .
- Analyzed scan data to identify and prioritize the most critical vulnerabilities based on exploitability .

Cyber Security & Digital Forensics Intern | Cyber Secured India | Remote | May23 – Jul23

- Applied penetration testing methodologies to compromise vulnerable VMs in a CTF, achieving root access.
- Correlated log data and system artifacts during forensic analysis to reconstruct attack chains and identify root causes.
- Developed practical skills in privilege escalation, forensic analysis, and flag capture.

Web Development & Security Intern | Mission IT Education | Remote | Oct 22 – Jan 23

- Developed a responsive portfolio website from scratch using HTML, CSS, and JavaScript.
- Received training on secure development practices, ethical hacking, and online scam investigation.

Cybersecurity Intern | TechnoHacks EduTech Official | Remote | Oct 2023 – Nov 2023

- Gained hands-on experience with core penetration testing tools, focusing on effective use of Burp Suite.

PROJECTS:

Rapid Scanner | [GitHub](#)

- Engineered a fast, lightweight Python reconnaissance tool that automates discovery of JS files, admin panels, and open redirects for a target domain in 1-2 minutes.

Network Vulnerability Scanner | [GitHub](#)

- Developed a Python-based tool to perform network scanning and identify potential vulnerabilities and open ports.

Advanced BMI Calculator | [Live Demo](#)

- Designed and deployed a full-stack web application calculating BMI using Python, HTML, CSS, JavaScript, and Vercel.

ACHIEVEMENTS

- Awarded a \$100 bounty for a critical vulnerability in a private disclosure program (2024).
- Recognized on the Hall of Fame for life.church twice for identifying valid security vulnerabilities (2024, 2025).
- Ranked 8th Globally in the DammCon CTF 2022 as a member of team VulnDetox.
- Attended BSides Ahmedabad (In-Person) and BSides Jaipur (Virtual) cybersecurity conferences.

EDUCATION

B.Tech in Computer Science (Artificial Intelligence & Machine Learning): Dr. A.P.J. Abdul Kalam Technical University, Uttar Pradesh | Expected Graduation: Sep 2026