

Parv Bajaj

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Sr. Application Security Engineer certified in eWPTX, CEH and CCSK with 3.5+ years of experience in the field of Cyber Security. Proven track record in leading information security teams and conducting comprehensive assessments across Web, Mobile Applications, APIs, Thick Clients, and Network. Skilled in Red Teaming, Source Code Reviews, Cloud Architecture Reviews and Secure Configuration Reviews.

PROFESSIONAL EXPERIENCE

FinThrive

Application Security Engineer

Gurugram

April 2024–Present

- Conducted comprehensive vulnerability assessments on 35+ products including web, network, mobile and thick clients. Identified attack vectors and system vulnerabilities, developing effective remediation plans and security procedures.
- Planned, executed, and reported on vulnerability and risk assessments of applications, explaining risks to the project team and guiding them towards remediation
- Implemented robust vulnerability management strategies utilizing Wiz, Zscaler, CrowdStrike, Rapid7, and other CNAPP tools, resulting in a 80% reduction in critical vulnerabilities identified and remediated, thereby enhancing proactive threat detection and saving \$500,000 annually in potential security incidents.
- Streamlined penetration testing by developing and integrating automation scripts and tools (Python, Bash, Jenkins) for reconnaissance, exploitation, and reporting, resulting in a 50% reduction in manual effort and faster vulnerability detection in CI/CD pipelines.
- Managed vulnerability operations workflows, utilizing CVSS scoring to assess risk levels and developing security dashboards to track vulnerability trends and remediation progress for leadership reporting.
- **Skills:** Network Vulnerability Assessment, Risk Assessment and Mitigation, Threat Modelling, SIEM Tool Proficiency, Cloud Security Assessments, Source Code Review, Security Configuration Review, Cross-functional , Team Collaboration

Grant Thornton Bharat LLP

Sr. Security Consultant

Gurugram

September 2021–April 2024

- Conducted network vulnerability assessment using tools like nmap, wireshark and Metasploit to evaluate attack vectors, identify system vulnerability and develop remediation plans and security procedures.
- Collaborated with the internal security team for a client, managing their security operations, including testing of APIs, web applications, thick clients and mobile applications using tools such as MobSF, Frida, Postman, BurpSuite and echoMirage.
- Applied the STRIDE framework for threat modeling during the design phase of applications, identifying potential threats and recommending security requirements.
- Managed event collection, log management, event management, and identity monitoring activities using various SIEM tools, ensuring thorough documentation.
- Conducted cloud architecture reviews, source code reviews, and security configuration reviews based on the latest security standards.
- Utilized ORCA Security for cloud security assessments on AWS, Azure, and GCP platforms, identifying vulnerabilities and recommending remediation actions.
- **Skills:** Segmentation PT, Active Directory Penetration test and Audit, WAPT, VAPT, SCD Review, Mobile Application Testing, Cloud Security Review, Incident Response, Red Teaming, Management Skills.

EDUCATION

The NorthCap University

Gurugram

B.Tech in Computer Science (Specialization in Cyber Security)

PROJECTS

SubShot

- **Technologies Used:** Github, Shell Scripting, Python, Ruby
- A subdomain enumeration tool that combines the functionality of enumerating subdomains, HTTP and HTTPS probing along with screenshotting.
- Achieved **Second Position** in Technovation

Cyber Cell

- **Technologies Used:** Burpsuite, Nessus, Alpha USB Adapter.
- Undertook a Cyber-Security Project involving the Vulnerability Assessment & Penetration Testing of the Websites and Network of The Northcap University.

Cohesion CTF

- **Technologies Used:** OSINT, Linux, Web Application Security, Reverse Engineering.
- Organized an international-level CTF event Sponsored by **Offensive Security**.
- Made CTF challenges on various domains such as Web, Reverse Engineering, OSINT, etc.

EXTRACURRICULAR ACTIVITIES

Web Master, IEEE PES

- Worked on creating and managing content on the website of IEEE NCU.
- Organised a Cohesion CTF with IEEE NCU and lead the team of six people to build a CTF website from ground up.

Competitive Chess Player

- Won Zonal Level Chess Championships, competed at the national level, and actively mentored junior members as a university chess club member.

ACHIEVEMENTS

- **Hall of Fame** from hippovideo.io
- **Hall of Fame x 4** from NCIIPC (Issues reported on Indian Government Websites)
- Authored a **Research Paper** titled 'Cloud Security – The Future of Data Storage'
- Presented a talk on "**Automating Information Security with Python**" sharing insights on developing scripts for security tasks.

CERTIFICATIONS

- CEH v11
- eWPTX v2
- Certificate of Cloud Security Knowledge (CCSK)
- eJPT
- INE Certified Cloud Associate (ICCA)
- CCNA: Introduction to Networks
- AWS Academy Cloud Graduate

SKILLS

- **ICT:** WAPT, VAPT, Configuration Reviews, Red Teaming, Network Penetration Testing, Docker, Segmentation PT, API Security, Android Security, Linux
- **Languages:** Python, C++, HTML, CSS, JavaScript, SQL, Bash, JAVA
- **Frameworks:** NIST 800-53, OWASP Risk Rating, STRIDE, PCI DSS, MITRE ATT&CK
- **Tools:** Burp Suite, pwn-tools, Wireshark, Nessus, Nmap, Postman, Maven, Ghidra, SOCRadar
- **Platforms & OS:** Apache Kafka, Linux (Ubuntu, CentOS, Kali), MacOS, AWS, Azure.