VYOM JAIN

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PROFESSIONAL SUMMARY

Ethical Hacker specializing in web application penetration testing, Active Directory exploitation, cloud attack. Experienced in vulnerability assessment, privilege escalation, custom exploit tooling, security automation, and AI-assisted vulnerability research.

SKILLS

- **Penetration Testing :** Web Application Penetration Testing (OWASP Top 10), Mobile Application Security Testing, Active Directory attacks, Linux and Windows privilege escalation.
- **Programming :** Go, Rust, Python, Bash, JavaScript, C.
- **Cloud Security:** AWS security assessments, IAM privilege abuse, VPC misconfigurations, CloudTrail and CloudWatch monitoring.
- **Security Tools:** Burp Suite, Nmap, BloodHound, Wireshark, Splunk.
- **AI-Assisted Testing:** Prompt engineering using ChatGPT and Claude for vulnerability discovery, payload development.

PROJECTS

FindIt – Automated Reconnaissance Platform   Live | GitHub

- Built an end-to-end reconnaissance framework for subdomain discovery, service enumeration, technology fingerprinting, WAF detection, cloud asset exposure analysis, directory brute-forcing, and port enumeration.
- Integrated multi-threaded scanning pipelines in Rust to significantly reduce reconnaissance time across multiple targets.

VScan – High-Speed Enumeration & Vulnerability Scanner   GitHub

- Developed a Go-based enumeration and vulnerability scanning engine optimized for large-scale penetration testing and red team engagements.

Labs & Exploit Writeups   GitHub

- Documented hands-on penetration testing labs, CTF walkthroughs, privilege escalation techniques, and real-world exploitation scenarios.

CERTIFICATIONS

- **Quick Heal Certified – Vulnerability Assessment & Penetration Testing**
- **Quick Heal Certified – Mobile Application Security**
- **Quick Heal Certified – Cloud Infrastructure Security**
- **Quick Heal Certified – Advanced Threat Hunting & Security Analyst**
- **TryHackMe – Jr Penetration Tester Path**
- **TryHackMe – Web Application Pentester Path**
- **TryHackMe – Red Team Learning Path**
- **Google (Coursera) – Linux and SQL**
- **Google (Coursera) – Networks and Network Security**

EDUCATION

Bachelor of Technology – Computer Science & Engineering

Parul University, Vadodara, Gujarat   *2022–2026 — GPA: 7.73*

ACHIEVEMENTS

- Ranked within the **Top 1% globally** on TryHackMe
- Competed in Capture the Flag competitions including IIT Jammu, TCS HackQuest, Synchrony, and B-Sides Vadodara.

PROFESSIONAL SKILLS

- Strong analytical thinking, problem-solving, attack chain development, and technical reporting
- Languages: English, Hindi