**Prabhsimran Singh** London, UK

[Linkedin](https://www.linkedin.com/in/pswalia2u/) [Tech Blog](https://pswalia2u.medium.com) [Dockerhub](https://hub.docker.com/u/pswalia2u) [Github](https://github.com/pswalia2u) [HTB](https://app.hackthebox.com/profile/23862) [Youtube](https://www.youtube.com/@pswalia2u)

# EXPERIENCE

* Working in **Goaco** as Cyber Security Consultant. **London,** **Aug 2024 – Present**

Building up Pentesting Practice.

Worked in **Finelabs** as Senior Security Engineer. **Remote,** **Sept 2023** **– Aug 2024**

* Built frameworks to scale security programs and integrated them with existing infrastructure.
* Led application security initiatives, providing guidance and running AppSec programs including bug bounty and tooling(CSPM- Wiz, Aquasec).
* Managed cloud infrastructure with Terraform([link](https://pswalia2u.medium.com/iaac-cross-referencing-attributes-d29fde872c03), [link](https://pswalia2u.medium.com/terraform-iaac-variables-8516138b4764))
* Provided cybersecurity training to internal employees.
* Conducted threat and vulnerability management, and penetration testing in assumed breach scenarios.

Worked in **Oportun** as Associate Security Engineer. **Remote,** **July 2022** **– June 2023**

* Utilized MITRE ATT&CK framework for threat intelligence and vulnerability extraction.
* Led AWS pentesting([link](https://medium.com/@pswalia2u/list/cloud-security-cbbe062b49cb)), and showcased CI/CD([link](https://pswalia2u.medium.com/oidc-github-actions-abuse-dbef1d4cd559)) pipeline security issues.
* Identified over 60 vulnerabilities in web, network, and API security assessments.
* Delivered training sessions on honeypot setups in Active Directory([link](https://pswalia2u.medium.com/creating-and-configuring-a-honeypot-account-in-active-directory-94153385275d)).
* Managed red team campaigns targeting EDR evasion and endpoint security.

Worked in **IBM** as Penetration Tester. **Remote,** **Jan 2021** **– Jun 2022**

* Conducted container security testing and automation for Kubernetes, OpenShift, Docker, and Podman environments.
* Performed network infrastructure testing and system-level security assessments.
* Developed and guided team members on OSCP, CRTP, and eCPPT exam preparations**.**
* Tooling and automation for container testing([link](https://github.com/pswalia2u/Pentest_automation_scripts))

Worked in **Pyramid Cyber Security & Forensic** as Security Analyst **Remote,** **Apr 2020 – Jan 2021**

* Performed web application and network penetration testing, including OWASP top 10 assessments.
* Developed and converted Metasploit post modules for enhanced security assessments.
* Converting Metasploit post modules from ruby to PowerShell([link](https://github.com/pswalia2u/metasploit_windows_gather))
* Conducted mobile application security testing and malware development.

**EDUCATIONAL QUALIFICATIONS**



**Degree/Certificate Institution/Board Year CGPA/Percentage**

MSc**.** Cybersecurity Ravensbourne University, London 2025

Integrated Lovely Professional

M-Tech(CSE) University, Jalandhar 2020 7.8

# CERTIFICATIONS

Certified Ethical Hacker v10 (CEH) **EC Council, Feb 2019** CompTIA PenTest+ (PT0-001) **CompTIA, Aug 2020**

Azure Fundamentals (AZ-900) **Microsoft, Mar 2021** Certified Professional Penetration Tester (eCPPTv2) **eLearnSecurity, Jun 2021** Offensive SecurityCertified Professional(OSCP) **Offensive Security, Sep 2021** Certified Red Team Professional (CRTP) **Pentester Academy, Feb 2022**  Certified Red Team Operator (CRTO) **Zeropoint-Security, Apr 2023** CREST Registered Penetration Tester (CRT) **CREST, Aug 2024** CREST Practitioner Security Analyst (CPSA) **CREST, Aug 2024**

# TECHNICAL SKILLS

Tools/Software: Burpsuite, Nessus, wireshark, nmap, Immunity and x64dbg Debugger etc. Languages: C/C++, Python 3, Powershell, x86 Assembly (Beginner), Bash, Java

Pro hacker at HTB, was listed in top 300 players.

Specialties: Web and Network Application Penetration Testing, Red Teaming, Security Automation.

# ACHIEVEMENTS

* Awarded student scholarship for Black Hat USA 2020 (Virtual Conference), **Aug 2020**
* Member of Synack Red Team since **Dec 2020**
* Recognized by NCIIPC (Govt. of India), OnePlus, Reliance Jio for reporting web app vulnerabilities.
* Delivered sessions on Active Directory Enumeration and Attack Simulations at IBM, **Jun 2022**
* Performance Award recipient at IBM in **2021**
* Solved GCP-Goat live @ **hacktricks\_live** twichsessionwith Carlos ([link](https://www.twitch.tv/hacktricks_live/video/1707657347)) ([link](https://www.twitch.tv/hacktricks_live/video/1707651593))

# OPENSOURCE CONTRIBUTIONS

* Contributed to AWS iam-vulnerable project for privilege escalation paths ([link](https://github.com/BishopFox/iam-vulnerable/pull/6)).
* Code contribution to **pimpmykali** project[.](https://github.com/Dewalt-arch/pimpmykali) Added function to disable power options for Gnome ([link](https://github.com/Dewalt-arch/pimpmykali/pull/5)).
* Enhanced proxychains functionality in the **Autorecon** project. ([link](https://github.com/Tib3rius/AutoRecon/issues/103))
* Developed middleware using Flask for exploiting Second Order Injection Vulnerabilities. ([link](https://github.com/pswalia2u/Middleware_SSTI_spider.htb))
* Created automation tools for quick payload testing, useful in EDR evasion campaigns. ([link](https://github.com/pswalia2u/easy-payload-tester))

# TECHNICAL ACTIVITIES

* Participated in various CTF events like MITRE CTF, DSCI CTF (finalist), CISCO CTF etc.
* Attended and presented at various online/in person conference events like Bsides Delhi, Defcon Delhi, DSCI hackathon etc.