

VIKRAM PRASAD

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Professional Summary

Cybersecurity consultant with hands-on experience in offensive security, including penetration testing, vulnerability assessments, and adversary simulation across web, mobile, WiFi, and API platforms.

Experienced in executing end-to-end security assessments, simulating real-world attack scenarios, and delivering clear, actionable findings to stakeholders. Contributed to red teaming and SOC operations through threat analysis and incident monitoring within financial services environments. Brings strong technical foundations and practical expertise to support comprehensive security evaluations across diverse infrastructures.

Skills

❖ Offensive Security & Testing

- Penetration Testing (Web, API, Mobile, WiFi)
- Vulnerability Assessment & Risk Prioritisation (VAPT)
- Red Teaming & Adversary Simulation
- Assumed Breach & Purple Team Engagements
- Active Directory Security Assessment
- Physical Security & Social Engineering Assessments

❖ Tooling & Platforms

- Kali Linux, Parrot OS
- Burp Suite, Nmap, Nessus, Metasploit
- BloodHound, Mimikatz, CrackMapExec, PowerView
- sqlmap, Hydra, Hashcat, Aircrack-ng, sslscan

❖ Threat & Attack Techniques

- MITRE ATT&CK-aligned threat emulation
- Credential access & post-exploitation
- Attack path analysis in Active Directory environments
- OWASP Top 10 exploitation techniques
- Cryptographic weakness identification

❖ Scripting, Automation & AI

- Bash scripting for assessment and workflow automation
- Python for custom tooling and data analysis
- Use of AI agents and **n8n** to automate penetration testing workflows, vulnerability analysis, and report generation for VAPT and web application assessments

Work History

Cybersecurity Associate (Full-Time), 01/2024 to Present

PwC Malaysia – Kuala Lumpur, W.P. Kuala Lumpur, Malaysia

- Delivered end-to-end offensive security engagements for major Malaysian financial institutions, including penetration testing across web applications, mobile applications, API endpoints, and WiFi networks, aligned with OWASP standards.
- Conducted red teaming and adversary simulation exercises, emulating real-world external threats to validate security controls, attack paths, and organisational detection and response capabilities.
- Performed assumed-breach and purple team engagements within Active Directory environments, collaborating closely with client Blue Teams to assess visibility, detection effectiveness, and incident response readiness.
- Executed a red team external threat scenario on internet-facing assets for a large bank, identifying exploitable weaknesses and providing risk-based remediation recommendations.
- Carried out physical security and social engineering assessments as part of purple team engagements, successfully identifying gaps in physical and operational security controls.
- Acted as VAPT team lead on selected engagements, guiding junior consultants and interns, reviewing findings, and ensuring assessment quality and consistency across deliverables
- Performed host security assessments, network device reviews, and database configuration assessments for insurance and asset management firms, identifying misconfigurations and deviations from industry best practices.
- Served as an L1 SOC analyst for a leading asset management company, supporting security monitoring, incident triage, and threat detection enhancement activities.

Challenge Creator (Part-Time), 01/2023 to 01/2024

Forensic & Security Research Center Student at APU – Kuala Lumpur, W.P. Kuala Lumpur, Malaysia

- Delivered a sharing session at APU on 31 Jan 2024 on mobile security and red team strategies. Topics included the Mobile Penetration Testing Process, Android Security Architecture, APK analysis, and advanced techniques like SSL Pinning bypass.
- Performed a Web Application and a Wi-Fi assessment on the University's infrastructure/assets while presenting the findings back to the technical team and higher-level management.
- Specialized in developing Capture The Flag (CTF) challenges for Cryptography, OSINT and Forensic and Boot2Root categories.
- Organized Internal CTF (iCTF) 2023, BATxAPU CTF 2023 and Battle of Hackers (BOH) 2023.
- Acquired the ability to think creatively and outside the box to create unique challenges.

Security Consultant (Intern), 09/2022 to 01/2023




FIRMUS – Kuala Lumpur, W.P. Kuala Lumpur, Malaysia

- Assisted in conducting Vulnerability Assessment & Penetration Testing (White/Black Box) such as Internal and External Web Applications (manual and automated processes), API Testing on client's environment as well as Wi-Fi assessments (War-Driving) on-site lead by Senior Consultants.
- Engaged in projects such as OSINT and Social Engineering on the client's environment.
- Developed and reviewed professional penetration testing reports (OWASP methodology) for clients.

Education

BSc (Hons) in Computer Science (Cyber Security) – First Class Honours CGPA 3.64, 03/2024
Asia Pacific University of Technology & Innovation – Kuala Lumpur, Malaysia

Certifications

- Certified Red Team Professional (CRTP) 
- eLearnSecurity Web Application Penetration Tester (eWPT) 
- eLearnSecurity Junior Penetration Tester (eJPT) 
- Microsoft Azure Fundamentals (AZ-900) 