

Jimit Patel

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CAREER OBJECTIVE

Postgraduate Cybersecurity student (GPA 6.5/7.0, Academic Excellence Scholarship) at UTS seeking a Graduate Penetration Tester role to apply offensive security skills against real-world client engagements. Strong programming and networking fundamentals from a full-stack development background, applied through a self-built attack/detection home lab, a Python-based network traffic analyser, AI red teaming research, and active CTF and Hack The Box practice. Genuinely engaged with the Australian cybersecurity community through AISA, australi.ai, and UTS CSEC, with a methodical, curiosity-driven approach to vulnerability discovery and reporting.

EDUCATION

University of Technology Sydney (UTS)

Sydney, Australia

Master of Information Technology (Extension) in Cybersecurity

Feb 2025 – Dec 2026

- GPA: 6.50/7.00
- Relevant Coursework: Network Security, Cryptography, IOT Security, Digital Forensics, Cloud Security, Mobile Security, UNIX and Python Programming.

Indian Institute of Information Technology Vadodara

India

Bachelor of Technology in Computer Science

Aug 2020 – June 2024

- GPA: 7.61/10.00

PROJECTS

Cybersecurity Attack & Detection Lab | *VMware, Wireshark, Snort, TCP/IP, Ubuntu*

2025

- Designed a 3-node virtual penetration testing lab to execute and analyse 8+ real-world attacks including DNS Pharming, ARP Cache Poisoning, SYN Flooding, TCP Session Hijacking, and TCP RST injection.
- Configured Snort IDS rules to detect simulated attack patterns, demonstrating end-to-end command of both offensive techniques and defensive detection mechanisms relevant to client engagement reporting.

Network Traffic Analyzer | *Python, Flask, Scapy, Flask-SocketIO, JavaScript*

2025

- Built a Python-based security tooling application for real-time network packet capture and protocol analysis across 10+ protocols (TCP, UDP, DNS, HTTP, ICMP, ARP), demonstrating offensive tooling development.
- Implemented live packet capture with BPF filter support and a WebSocket-driven UI with per-protocol traffic statistics and packet inspection designed to assist in network-layer threat detection.

E8 Audit Tool - Essential Eight Compliance Assessment Platform | *Python, Flask, Chart.js, NVD API*

2026

- Developed a Flask-based web application automating Essential Eight maturity assessment across four ASD-mandated controls (patch management, macro hardening, admin privilege auditing, backup status), replacing manual spreadsheet-driven audits.
- Integrated the NIST NVD API to query 200,000+ CVE records for live vulnerability correlation, mapped results to ACSC Maturity Levels 1–3, and rendered interactive compliance dashboards using Chart.js for non-technical stakeholders.

AI Red Teaming Research | *LLM Security, Prompt Injection, Python*

2025

- Studied and applied AI red teaming techniques targeting large language models, including prompt injection attacks, LLM output manipulation, and AI data poisoning to identify model vulnerabilities.

RELEVANT EMPLOYMENT

Full Stack Developer Intern

Jan 2024 - June 2024

Quicko

Ahmedabad, India

- Implemented secure Authentication and Authorization systems using AWS Cognito and OAuth 2.0 as the sole developer — directly applicable to API security and identity attack surface assessment in penetration testing engagements.
- Launched OAuth app enabling seamless third-party sign-in, with hands-on experience in token handling, session management, and authorization flows that are common web application vulnerability targets.
- Built an onboarding workflow for 50+ users, resulting in a 10% improvement in user activation rate.

Full Stack Developer Intern

May 2023 - July 2023

Printerverse

Remote

- Developed real-time data monitoring features using JavaScript and REST APIs, building familiarity with API request/response cycles relevant to API security testing and code review.
- Redesigned temperature graph for real-time monitoring, boosting data visibility by 30%.

VOLUNTEER EXPERIENCE

Peer Networker

Jan 2026 - Present

University of Technology Sydney

Sydney, Australia

- Welcomed and supported new students during orientation, running campus tours and social activities to foster a sense of belonging within the UTS community.
- Acted as a key point of contact for incoming students, providing guidance on student services, academic resources, and university programs.
- Collaborated with a team of volunteers to deliver inclusive onboarding events, strengthening interpersonal, leadership, and cross-cultural communication skills.

PROFESSIONAL AFFILIATIONS

Member, Australian Computer Society (ACS)

2025 - Present

Member, Australian Information Security Association (AISA)

2025 - Present

Member, UTS Cyber Security Society (CSEC)

2025 - Present

Community Member, australi.ai - Australian AI Security Community

2026 - Present

AWARDS AND RECOGNITIONS

Silver at Cisco NetAcad Riders 2026 Round 1

2026

UTS Academic Excellence International Scholarship Recipient

2025

Third Place, UTS Tech Festival 2025 – ProgSoc Programming Competition | WiseTech Global

2025

TECHNICAL SKILLS

Security Engineering: Penetration Testing, Threat Modeling, Code Review, Security Tooling Development, IDS/IPS (Snort, Suricata), SIEM (Elastic Stack), Incident Response, Malware Analysis

Web & AI Security: Burp Suite, OWASP ZAP, SQL Injection, XSS, SSRF, SSTI, Command Injection, API Security Testing, Vulnerability Assessment, Prompt Injection, LLM Vulnerabilities, AI Red Teaming

Networking & Forensics: Nmap, Wireshark, TCP/IP, Metasploit, Kali Linux, Volatility, FTK Imager, MITRE ATT&CK, NIST CSF, Essential Eight

Development: Python, Bash, JavaScript (Node.js), Flask, REST APIs, AWS (Cognito), GitHub