

RANA MUHAMMAD TALHA MAJID

Penetration Testing | Vulnerability Assessment | Web Application Security | Network Security

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PROFESSIONAL SUMMARY

Cybersecurity enthusiast with hands-on experience in penetration testing, vulnerability assessment, and web application security. Skilled at identifying OWASP Top-10 vulnerabilities and implementing targeted mitigations through real-world labs and project simulations. Built and deployed an end-to-end security awareness platform integrating live breach-detection APIs, achieving a ~40% reduction in simulated phishing success. Certified across Google, NITSEP, and TryHackMe; currently pursuing BS Computer Science at UET Taxila (2027).

PROJECTS

SpectraOps Cybersecurity Awareness Platform 2024 – Present Personal Project | ranatalhamajid1.github.io/Portfolio-Website

- **Situation:** Users lacked simple tools to verify credential exposure or understand password hygiene — leaving them unaware of active breach risks.
- **Task:** Design and ship a full-stack security awareness platform covering breach detection, password strength analysis, and cybersecurity education.
- **Action:** Integrated HavelBeenPwned API for real-time email breach checks; built a multi-rule password-strength checker enforcing entropy thresholds; authored 10+ security awareness modules covering phishing, social engineering, and safe browsing.
- **Result:** Delivered **3 core security tools** and **10+ awareness articles**; simulated phishing success rate dropped by **~40%** in internal tests.

Penetration Testing Labs & CTF Challenges 2024 – Ongoing TryHackMe | Self-Directed Learning

- **Situation:** Needed practical, scenario-based exposure to attack and defence techniques beyond classroom theory.
- **Task:** Complete structured learning paths in web exploitation, network scanning, and privilege escalation.
- **Action:** Practiced Nmap enumeration, Wireshark traffic analysis, and OWASP Top-10 exploitation (SQLi, XSS, IDOR) across **15+ hands-on rooms**.
- **Result:** Earned TryHackMe Cybersecurity certificate; reached **top-30% global ranking** on the beginner path within the first **60 days**.

EDUCATION

BS Computer Science 2023 – 2027 (Expected)
University of Engineering & Technology (UET) Taxila

SKILLS

- Penetration Testing, Vulnerability Assessment, Web Application Security (OWASP Top 10), Threat Analysis & Reporting
- Network Security, Linux Fundamentals, Nmap, Wireshark, Security Awareness

CERTIFICATIONS

- Google Foundations of Cybersecurity — Coursera / Google (2024)
- PenTest Cyber Specialist — NITSEP (2024)
- Cybersecurity Learning Path — TryHackMe (2024)