Abubakar Shahid

Cybersecurity Expert & Full-Stack Developer

+92-322-1429661 abubakarshahid1309@gmail.com abubakar-shahid.vercel.app
linkedin.com/in/abubakar-shahid-9031abs/ github.com/abubakar-shahid tryhackme.com/p/mrAfridi

SUMMARY

Focused on Penetration Testing and Vulnerability Research, as exemplified by my work on CVE-2024-36886, red teaming strategies, web application security and exploit development. My aim is to contribute to advancements in proactive cybersecurity measures and the development of effective threat mitigation techniques.

EXPERIENCE

Officer Security Assurance *(October 2025 - Current)* [Allied Bank Limited (On-Site)]

- Working in Vulnerability Analysis and Penetration Testing (VAPT) as a part of InfoSec Team.

Junior Software Engineer *(June 2024 - Dec 2024)* [RTC-League (On-Site)]

- Developed real-time collaboration platforms using Go, Python, WebSockets, and WebRTC.
- Built Backend with Redis, MySQL, and Firebase; Frontend using Next.js and TypeScript.

Teaching Assistant *(August 2023 - Dec 2023)* [FAST-NUCES, Lahore]

- Teaching Assistant for Programming Fundamentals course in Fall 2023 Semester.

EDUCATION

BS Software Engineering
CGPA: 3.0 FAST-NUCES, Lahore (2021 – 2025)

Intermediate (Pre-Engineering)
Grade: 88.63% Punjab Group of Colleges, Lahore (2019 – 2021)

Matriculation (Science)
Grade: 91.72% Unique High School, Lahore (2017 – 2019)

FINAL YEAR PROJECT

Vulnerability Research

- Researched and developed Proof-of-Concept (PoC) exploit for **CVE-2024-36848** — A vulnerability in TIPC protocol of Linux Kernel networking subsystem.

SKILLS

- **Languages:** JavaScript, Typescript, Python, C, C++, C#, Go, PHP, Bash, Assembly
- **Databases:** Firebase, MySQL, MongoDB, PostgreSQL, phpMyAdmin, Redis
- **Frontend:** HTML5, CSS3, React.js, Bootstrap, TailwindCSS, Next.js
- **Backend/Other:** Docker, Git, Postman, WebSockets, WebRTC, Node.js, Express.js, PHP
- **Cybersecurity Tools:** Nmap, Burp Suite, Metasploit, Wireshark, SQLMap, Netcat, John the Ripper, Hydra, Hashcat, Nikto, WPScan, GDB, Radare2, Ghidra, IDA Pro

CERTIFICATIONS

- **Introduction to Cybersecurity** [https://tryhackme-certificates.s3-eu-west-1.amazonaws.com/THM-VWDNLJJCI1.pdf]
- **Pre Security** [https://tryhackme-certificates.s3-eu-west-1.amazonaws.com/THM-K8NFSIE0PM.pdf]
- **Web Fundamentals** [https://tryhackme-certificates.s3-eu-west-1.amazonaws.com/THM-IZCIMT4HDR.pdf]
- **Jr Penetration Tester** [https://tryhackme-certificates.s3-eu-west-1.amazonaws.com/THM-RMKX2TLVPO.pdf]
- **Offensive Pentesting** [https://tryhackme-certificates.s3-eu-west-1.amazonaws.com/THM-56KTRFEREO.pdf]

AWARDS & ACHIEVEMENTS

- **Dean's List of Honours** – Fall 2021 (FAST-NUCES, Lahore)
- **1st Position** – UMT Techverse CTF, 2025 (University of Management Technology, Lahore)
- **2nd Position** – Blue Teaming Category, Regional Cyber Hackathon 2024 (Ignite, Pakistan)
- **4th Position** – UCP Taakra CTF, 2024 (University of Central Punjab, Pakistan)
- **6th Position** – Red Teaming Category, Regional Cyber Hackathon 2024 (Ignite, Pakistan)
- **Top 10** – Hackathon Workshop CTF, 2024 (Ignite, Pakistan)

Top 2% in TryHackMe [TryHackMe]

- Solved 135+ labs with 20+ badges and 17,000+ points on Level 0xC (GURU) on TryHackMe.

Offensive Security Training [HackTheBox and PortSwigger]

- Completed 20+ practical labs on PortSwigger involving web security, enumeration, and exploitation.
- Solved 15+ hands-on labs on HackTheBox focused on web vulnerabilities and secure coding.
