SYED ATEEB ALI

Cybersecurity Operations
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SUMMARY

Cybersecurity undergraduate at Dawood UET with hands-on experience in Web, Mobile, Network, and Infrastructure penetration testing and Digital Forensics. Active CTF competitor and challenge developer with public speaking experience in security education.

RELEVANT EXPERIENCE

Cyber Risk Management Intern (6 weeks) June 2026 – Aug 2026
State Bank of Pakistan (SBP)

EDUCATION

BS in Cybersecurity Oct 2023 – Present
Dawood University of Engineering & Technology (DUET), Karachi

HSC in Pre-Engineering Dec 2021 – Aug 2023
Government Degree Science College, Gulshan-e-Iqbal, Karachi

VULNERABILITY ASSESSMENT & PENETRATION TESTING (VAPT)

Web Application Penetration Testing
- Identified SQL Injection, XSS, and broken authentication on real-world websites using Burp Suite, GoBuster, and SQLMap.

Mobile Application Penetration Testing
- Reverse-engineered Android APKs using JADX; identified insecure hashing algorithms, lack of ssl pinning, and exposed cryptographic keys.

Network Penetration Testing
- Executed multiple attack scenarios across OSI layers including: MAC Spoofing, ARP Poisoning, IP Spoofing, ICMP Flood, DNS Poisoning, and MitM attacks.

Infrastructure Penetration Testing
- Conducted OSI 7-layer security assessments covering misconfigurations, weak authentication, and exposed services in a controlled lab environment.

DIGITAL FORENSICS

Network Forensics
- Captured and analysed network traffic using Wireshark to reconstruct attack timelines and identify malicious communications. Used NetworkMiner for passive network traffic analysis and extraction of artifacts including files, credentials, and session data.

Memory (RAM) Forensics
- Acquired volatile memory and performed analysis using Magnet RAM Capture to extract running processes, network connections, and malware indicators from memory dumps.

Mobile Forensics
- Conducted mobile device investigations using Cellebrite for data acquisition and extraction from Android devices.
- Recovered call logs, messages, application data, and deleted artefacts during forensic examination.

Image Forensics

- Analysed disk images using Autopsy and FTK Imager to recover deleted files, examine file system artifacts, and construct case timelines.

CTF COMPETITIONS

Participation & Challenge Development

- Competed in multiple CTF competitions including Ignite, picoCTF, and CyberGon, specialising in Cryptography and OSINT challenges.
- Designed and deployed original CTF challenges in Cryptography and OSINT for an event called Teknofest and several student-led cybersecurity events.

TOOLS & TECHNOLOGIES

Penetration Testing	Burp Suite, Nmap, SQLMap, GoBuster
Mobile Analysis	JADX, APKTool
Network Analysis	Wireshark, NetworkMiner
Digital Forensics	Autopsy, FTK Imager, Magnet RAM Capture, Cellebrite
Operating Systems	Kali Linux, Windows
Scripting	Python

PUBLIC SPEAKING

Red Team vs Blue Team Strategies – KASBIT

- Presented offensive and defensive security operations, real-world workflows, and case studies to undergraduate students at Khadim Ali Shah Bukhari Institute of Technology.

Careers in Cybersecurity – SET School

- Mentored secondary school students on cybersecurity career paths, certifications, and required skills at The Saran Educational Trust School.

CERTIFICATIONS, TRAININGS & COURSES

- Certified Ethical Hacker (CEH) – NAVTTC
- Cisco Certified Network Analyst (CCNA) – Training (Cisco NetAcad)
- SC-200: Mitigate Threats using Microsoft Security Copilot – Traning (Microsoft)
- Google Cybersecurity Professional – Coursera
- Google Security Fundamentals – Google Cloud Skills Boost
- OSINT, Hacking Methodology, Information Security Fundamentals, English for IT, Basic Operating Systems, IP Addressing

ACADEMIC PROJECTS

Simple Network Intrusion Detection System

Jan 2026

- Developed a Scapy-based IDS to monitor live network traffic, detect port scans and anomalies, and generate real-time alerts for DDoS attacks.

Resume Parser

Apr 2025

- Built an automated resume parser using PyMuPDF and regex to extract structured candidate data from PDF documents.