

# Muhammad Tallat

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## EDUCATION

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### COMSATS UNIVERSITY ISLAMABAD

Islamabad, Pk | Expected September 2027

Bachelor of Science in Cyber Security

**Relevant Courses:** Intro to Cyber Security, Information Security, Digital Forensics and Incident Response, Database Systems, Computer Networks (Cisco CCNA).

## CERTIFICATIONS

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- Certified Ethical Hacker (CEH)
- Cisco Certified Network Associate (CCNA)
- Certified Penetration Tester (NITSEP)
- Linux & Networking Certification (Intermediate level)
- (In Progress / Planned) • CompTIA Security+
- (In Progress / Planned) • AWS Cloud Practitioner (or Azure Fundamentals)

## TECHNICAL SKILLS

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- **Security & Penetration Testing:**
  - SIEM Tools: Splunk (basic / lab), OSSEC, (learning QRadar)
  - Vulnerability Scanners: Nessus, OpenVAS
  - Pentesting Frameworks: Metasploit, Burp Suite, OWASP ZAP
  - Network Analysis: Wireshark, Nmap
- **Operating Systems & Platforms:**
  - Linux (Kali, Ubuntu) – command-line, bash scripting, reverse shells
  - Windows – Active Directory basics, PowerShell scripting
- **Programming & Scripting:**
  - Python (scripting for automation, simple exploit/proof of concept)
  - Bash (shell scripts for reconnaissance and enumeration)
  - Java (JavaFX GUI apps)
  - C++, Java – general-purpose development
- **Web & DevOps:**
  - HTML/CSS, basic JavaScript (learning Node.js, React.js, Next.js)
  - WordPress security (basic hardening, plugin review)

- Docker (containerization for lab environments)
- API Security: REST API fundamentals, Jsoup for web scraping
- **Database:**
  - Oracle SQL, JDBC (monitoring and logging apps)
  - Basic MySQL / PostgreSQL in lab setups
- **Forensics:**
  - Linux-based forensic tools (Autopsy, Sleuth Kit basics)
  - USB forensic tooling concepts (monitor USB events, vendor ID/product ID tracking)
- **Blockchain & Smart Contracts:**
  - Solidity fundamentals (beginner, learning through project)
  - Smart Contract Vulnerability Analysis

## PROJECTS

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- **APK Vulnerability Analyzer:** Developed a JavaFX-based GUI application to detect security vulnerabilities in Android APK files (e.g., insecure permissions, outdated libraries). [click to view](#)
- **OSINT App:** Created a GUI application that gathers publicly available data (owner name, address, CNIC, social profiles) from phone numbers using open-source intelligence (OSINT) techniques. [Click to view](#)
- **Smart Contract Vulnerability Analyzer:** Implemented a blockchain-based tool to analyze Ethereum smart contracts and identify common security vulnerabilities.
- **Monitoring System with Oracle SQL:** Built a Java application to monitor user/system behavior and log analytics in an Oracle database via JDBC.

## EXPERIENCE AND CONTRIBUTIONS

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- Conducted a **full penetration test** on OWASP Juice Shop (a deliberately vulnerable web application), identifying and responsibly reporting 50+ unique security flaws.
- Completed **100+ hands-on labs** and challenges on PortSwigger, Hack The Box, and TryHackMe, demonstrating continuous self-directed learning in web security and pentesting.
- **Collaborated with professional** penetration testers during website security assessments, contributing to testing processes and detailed report generation.
- Performed **API penetration testing** on a web application, uncovering a critical information disclosure vulnerability and documenting remediation steps.

## ADDITIONAL SKILLS

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- **Server Deployment & Hosting:** Hands-on experience with Docker for server deployment and managing WordPress hosting on Linux servers.

- **CTF PARTICIPANT:** Participated in CTF (Capture the Flag) Competitions on different physical and virtual platforms, solving real-world security vulnerabilities and improving ethical hacking skills.
- **Motion Designer:** Top-Rated Motion Designer at Upwork with more than 4 years of Experience creating visually stunning videos.
- **Soft Skills:** Excellent communication & presentation—presented technical findings to faculty and non-technical stakeholders. Strong analytical & decision-making abilities—break down complex scenarios into actionable steps during CTFs and labs. Team Player—collaborates effectively during group projects and client assessments.