Muhammad Ahmad

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EDUCATION

COMSATS UNIVERSITY ISLAMABAD   Islamabad, Pk
Bachelor of Science in Cyber Security   Expected September 2027
> Relevant Coursework: Intro to Cyber Security, Information Security, Digital Forensics and Incident Response, Database Systems, Computer Networks, Network Security, Web Technologies, Operating Systems

PUNJAB GROUP OF COLLEGES   Multan, Punjab
Higher Secondary Education   Jul 2020 - Jul 2022

WORK EXPERIENCE

VAPT INTERN — NATIONAL CYBER CRIME INVESTIGATION AGENCY (NCCIA) July 2025 – September 2025
- Performed **Vulnerability Assessment and Penetration Testing (VAPT)** on networks and web applications using industry tools such as Nmap, Burp Suite, and Metasploit.
- Deployed and configured **Wazuh SIEM** and conducted **vulnerability scans with OpenVAS**, enhancing log monitoring and threat detection capabilities.
- Executed **exploitation and post-exploitation exercises on Metasploitable 2** to simulate real-world attack scenarios and validate security controls.

PENETRATION TESTING INTERN — ITSOLERA   May 2025 – August 2025
- Assisted in **identifying and analysing** security vulnerabilities in web and mobile applications as part of the Information Security Governance team.
- Conducted **manual and automated application security testing** using tools such as **Burp Suite, OWASP ZAP**, and custom scripts.

FREELANCE ANDROID DEVELOPER (Self-Employed | Remote)   2020 – Present
- Developed and deployed Android applications using **Java**, **Dart, Firebase**, and **MySQL**, ensuring smooth functionality and user experience.
- Integrated third-party APIs, authentication systems, push notifications, and payment gateways for enhanced app capabilities.

CYBER SECURITY ENTHUSIAST & CTF PARTICIPANT (Self Learning)   2022- Present
- Participated in **CTF (Capture the Flag) Competitions** on different physical and virtual platforms, solving real-world security vulnerabilities and improving ethical hacking skills.
- Gained hands-on experience in **Web Penetration Testing, Forensics and Incident Response, and Cloud Security** through TryHackMe and other platforms.

PROJECTS

AI POWERED CYBERSECURITY INCIDENT MANAGEMENT SYSTEM (FULL-STACK)   May 2025 – Jun 2025
- Developed a comprehensive cybersecurity management platform using **React.js**, **Node.js**, **Express.js**, and **MongoDB** with **role-based access control** and **JWT authentication**.
- Built incident tracking system with automated **AI-powered threat analysis**, **real-time dashboards**, and **asset management** for security operations teams.

Parental Control App (Flutter)   Jan 2025 – May 2025
- Developed a full-featured parental control application using **Flutter (Dart)** and **Android Studio** with a dual-role system for parents and children.
- Integrated **Firebase Authentication** for secure account registration and login.
- Implemented features like **real-time child activity monitoring**, **task and reward system**, **screen time tracking**, and **location updates**.

ADDITIONAL

Technical Skills: Advanced in Java, Python, Flutter, Dart, HTML/CSS; Web Penetration Testing and Vulnerability Assessment, SQL Injection, Cloud Security
Certifications & Training: Google Cloud Security Certificate (Google), Web Fundamentals Pathway (TryHackMe), Introduction to Network Analysis (Blue Team Junior Analyst)