

AAFTAB H. KHAN

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Professional Summary – Offensive Security Consultant

Cybersecurity Consultant with 5+ years of experience in Vulnerability Assessment & Penetration Testing (VAPT), threat modeling, and security consulting across web, API, mobile, network, AI/ML-integrated applications, and cloud environments. Experienced in identifying vulnerabilities, performing risk assessments, and delivering business-aligned remediation strategies. Strong ability to translate technical findings into actionable insights for secure system design, including modern applications leveraging AI capabilities.

Core Competencies

- Cybersecurity Consulting & Advisory
- Risk Assessment & Security Gap Analysis
- Information Security Controls & Governance
- Vulnerability Assessment & Penetration Testing (VAPT)
- Secure Architecture & Threat Modeling
- AI/LLM Security
- Client Communication
- Executive & Technical Reporting
- SAST & DAST

Frameworks & Standards Exposure

- ISO/IEC 27001 (ISMS controls mapping, gap analysis support)
- OWASP Top 10 (Web, Mobile, API, LLM) | SANS CWE Top 25 | PTES | MITRE ATT&CK
- Secure SDLC Principles | Data Protection

Tools & Technologies

Burp Suite, Nessus, Metasploit, MobSF, Nmap, Postman, Frida, Objection, Ghidra, Jadx, Radare2, AWS, Azure Python, Bash, PowerShell, Android (Java & Kotlin)

Professional Experience

KPMG India — Mumbai, India

Offensive Security Consultant

Nov 2023 – Present

- Delivered end-to-end security assessment engagements across web, mobile (Android), API, network, and cloud environments for enterprise clients.
- Conducted security assessments of applications integrating AI/ML components.
- Conducted risk-based security assessments, identifying control gaps and mapping technical findings to business impact and remediation priorities.
- Supported governance and audit-readiness activities by producing clear documentation, evidence artifacts, and structured security reports.
- Collaborated with client stakeholders, developers, and infrastructure teams to recommend compensating controls and risk mitigation strategies.
- Performed configuration reviews, threat modeling, and secure design assessments for applications and cloud-hosted systems (AWS, Azure).

MapleCloud Technologies — Navi Mumbai, India

Cybersecurity Analyst

Apr 2022 – Oct 2022

- Executed security assessments and compliance-aligned reviews for APIs, Android applications, and network infrastructure.

- Participated in client meetings and walkthroughs, explaining security risks, compliance gaps, and remediation plans in business-friendly language.
- Assisted in standardizing engagement documentation, assessment templates, and reporting formats to improve consulting delivery quality.

CyberSmithSECURE — Mumbai, India

Information Security Analyst

Sept 2020 – Mar 2022

- Led web and API security testing engagements with focus on risk identification and remediation guidance.
- Worked closely with development teams to improve secure coding practices and control effectiveness.
- Produced structured security reports aligned with industry best practices and governance expectations.

Education

Amity University —Noida, India

MBA in Data Science (Jan-2024 – Jan-2026)

- Relevant Coursework: Data Engineering, Analytics, Decision Making

University of Mumbai — Mumbai, India

BE in Computer Engineering (Aug-2019 – June-2023)

- Relevant Coursework: Cybersecurity, Networking, Operating Systems

Certifications

AI Architecture & Cloud

Microsoft: Agentic AI Business Solutions Architect	Microsoft: Azure AI Apps & Agents Developer Associate
Microsoft: Identity & Access Administrator Associate	Google Cloud: Certified Partner Specialist – Gemini Enterprise
Google Cloud: Gemini Enterprise Agent Development Specialist	Anthropic: Claude Certified Architect – Foundations (CCA-F)

Offensive Security & Cybersecurity

Certified Red Team Professional (CRTP)	Certified API Pentester (C-APIPen)
Certified Mobile Pentester – Android (CMPen)	Certified Ethical Hacker – CEH Practical
Certified Binary Fuzzing & Reversing Professional (CFBRPro)	Multi-Cloud Red Team Analyst (MCRTA)
Certified in Cybersecurity (CC) – ISC ²	Data Loss Prevention Administrator (DLP)

Projects/Tools

Android Native Scanner (Python) [🔗](#)

Security analysis tool for detecting sensitive data, secrets, and insecure implementations in Android apps.

Didactic Solutions (React, Django-REST, Python) [🔗](#)

Built an API-driven corporate training and eLearning platform integrating ReactJS and Django-REST for seamless content delivery.

Pushcrt.py (Python) [🔗](#)

Developed an automation script to install custom CA certificates into Android's system root store, easing HTTPS interception for testing.

Frida_install (PowerShell) [🔗](#)

Built a PowerShell tool to install and configure Frida client-server setup on rooted Android devices, improving mobile assessment workflows.

Community & Leadership

- Founder & President – Ethical Hackers Club, AIKTC
- Technical Team Member – GDSC, AIKTC
- Cybercrime First Responder – ISAC
- Event Coordinator - HackerNova

Publications

- ML-Based Phishing Website Detection Using Domain Name Features – IJCT, Oct 2025 [🔗](#)
- Leveraging Blockchain for IT Governance – IJRASET, May 2024 [🔗](#)
- Didactic Solutions: A Corporate eLearning Platform – IJSDR, Apr 2023 [🔗](#)

Awards/Achievements

- SPOT Award by KPMG (Reporting Critical Vulnerabilities)
- Award of Appreciation by AIKTC (Runner-Up for the Web-solving technical event)
- 1st Rank in HSC (PCMB)
- 1st Rank in SSC
- Award of Appreciation by Balwant Phadke Satyagraha Panel (Academic Excellence)
- Award of Appreciation by Navi Mumbai Police Headquarters (Slogan writing on Traffic rules)
- Award of Appreciation by Rotary Club Kalamboli (Academic Excellence)