



Deepak Dhiman Application Security Engineer

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👤 Profile

Security researcher and application-security engineer with 5+ years of hands-on experience across web, API, mobile (Android/iOS) and microservice environments. I combine offensive-first testing, threat modeling and secure-SDLC practices to find and close real abuse paths in product flows (auth, payments, session management). Comfortable embedding security into CI/CD, creating POCs and working directly with engineering teams to ship fixes.

🎓 Education

B. Tech in Computer Science Engineering

Kurukshetra University

08/2017 – 05/2020 | Karnal, India

79%

Diploma in Computer Science Engineering

GBN Polytechnic

08/2015 – 05/2017 | Karnal, India

80%

zzle Key Achievements

- **200+ Hall of Fame mentions** (Google, Dell, Blackboard, NCIIPC).
- **Top 10 Hackenproof researcher (2022)**.
- Delivered **Project Oman** – manual Web/WiFi/Network Pentest in 20 days with client appreciation.
- Working on a **corporate Banking product from scratch** in my current Organisation.



Execution Statement

I treat AppSec not as vulnerability listing but as a continuous mapping of how trust breaks in real product flows.

💼 Professional Experience

Product Security Consultant

Emirates NBD via Forward Defense

02/2025 – Present | Bengaluru, India

- Performed targeted security assessments for web, Android and iOS applications in microservice architectures.
- Ran threat modeling sessions from feature ideation to architecture review and translated risks into developer-actionable remediation.
- Embedded security checks into sprint cycles and CI/CD pipelines to enable shift-left testing.
- Used Semgrep / Checkmarx / Burp Suite Pro for SAST/ DAST and SCA for dependency/security supply-chain checks.
- Monitored container runtimes and microservice behavior (Sysdig) to detect misconfigurations and runtime anomalies.
- Built POCs and exploit chains for auth/payment/session abuse and worked with engineers until issues were fixed.
- Reviewed design docs & feature proposals and flagged abuse cases before code was written
- Reverse engineered client-side logic to identify hidden trust assumptions and weak enforcement boundaries
- Created threat scenarios that modelled “how a malicious actor would chain normal features into exploitation”

Security Consultant

Ampcus Cyber

02/2024 – 02/2025 | Karnal, India

- Conducted web, API and mobile (Android/iOS) security engagements with emphasis on business-logic abuse.
- Built automation scripts to remove repetitive manual steps and scale testing.
- Led OSINT-driven attack-surface discovery, red-team simulations and social-engineering exercises.

Cyber Security Specialist

Network Intelligence India

10/2021 – 12/2023 | Karnal, India

- Led **VAPT for Web, Mobile & Infrastructure**.
- Performed **Firewall & WiFi security reviews**.

Certificates

eWPTXv2 – Advanced Web Application Pentesting 

eCPPT v2 – Penetration Testing Professional 

API Penetration Testing 

Certified AppSec Practitioner (CAP)

Credential ID: 7037418

Threat Modeling Security Fundamentals

Publications & Media

- Interview with XSSRAT (2023)
- Security write-ups on Medium
- Contributor to GitHub *HowToHunt* repo
- **YouTube (Virdoex)** – Recon & Bug Hunting live streams
- Podcast: *The Cyber Explorers*

Soft Skills

- Problem-Solving
- Analytical Thinking
- Communication
- Team Collaboration
- Adaptability
- Leadership

Security Community Contribution

- Medium Write-ups (Bug bounty, Recon methods)
- YouTube: *Virdoex* channel (live streams & tutorials)
- **Web Pentester Roadmap mentioned by Hacking Articles** 

Languages

- English
- Hindi

Tools and Techniques

Burp Suite, Nmap, Frida, MobSF, Metasploit, Semgrep, Checkmarx, Sysdig, trufflehog, ZAP, Bash, Python, Insomania, Postman, Silver C2, Nuclei, Custom Created tools.

Skills

Application Security & VAPT

DevSecOps & CI/CD Pipeline Security

Integrated tool like trufflehog, OWASP ZAP extra

Container Security

Using Sysdig and manual

SAST/DAST (Checkmarx, Semgrep, Burp Suite Pro)

Software Composition Analysis (SCA)

Red Teaming, Phishing & Social Engineering

Firewall, WAF & Network Device Reviews

OSINT Recon & Attack Surface Management

Mobile (Android/iOS) & Thick Client Pentesting

Secure SDLC & Security Reporting

Microservices & container-aware assessments (runtime monitoring, misconfiguration checks)

Web LLM Attacks

IoT Pentesting

Pentesting of medical devices MIoT DICOM, HL7, FDA 501, PACS, SBOM, SaMD

Technical Skills

• **Pentesting:** Web, API, Mobile, Thick Client, AD, Network

• **DevSecOps & AppSec:** CI/CD Security, Checkmarx, Semgrep, SCA, Sysdig, Kibana, Red Panda

• **Red Teaming & SE:** Phishing, Social Engineering, Attack Simulations

• **Recon:** OSINT, exposed repos, dark web leaks, asset discovery

• **Configuration Reviews:** Firewalls, WAFs, IDS/IPS, Network Devices

• **Standards:** OWASP Top 10, NIST, PCI-DSS, MITRE ATT&CK, FDA, HIPPA, GDPR