

Pranit Garud

Security Engineer

Experienced Security Engineer skilled in threat modeling, security design reviews, penetration testing, and bug bounty handling. Has excellent communication skills and a proven track record in vulnerability discovery and rapid Proof of Concept (PoC) development. Active participation in the security community and can effectively assess and communicate risks to internal and external organizations.

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WORK EXPERIENCE

Security Engineer

Apple

06/2023 - Present

Achievements/Tasks

- Performed threat modeling techniques to enhance the security posture of software applications, assisting developers in effectively mitigating potential risks.
- Conducted comprehensive source code analysis, penetration testing, and contributed to the implementation of secure software development practices, ensuring adherence to industry standards.
- Strengthened cloud security through comprehensive assessments and implemented strategies to safeguard critical infrastructure.

Lead Pentester

HackerOne/Cobalt

07/2022 - Present

Achievements/Tasks

- Responsible for leading & performing pentests and communicating with stakeholders.
- Conducted Pentesting engagements for clients in various industries such as Blockchain, Fintech, Cryptocurrency, Healthcare, and Finance.
- Conducted security audits and penetration testing on HSM (Hardware Security Module) infrastructure.
- Executed security assessments for various systems including web and mobile applications, APIs, internal and external networks, and cloud infrastructures.

Security Consultant

Varutra Consulting Pvt. Ltd.

12/2017 - 12/2021

Pune

Achievements/Tasks

- Performed Application Security including Security Life Cycle, SDLC, Penetration Testing, Threat Modeling and Vulnerability Assessment using OWASP, NIST and CWE/SANS Special Publications
- Performed & Lead Red Team Assessment for Multiple Client
- Performed SAST/DAST Security Assessment using OWASP/NIST Security Standards for over 200+ customers
- Performed Onsite Engagements such as Wi-Fi Hacking, Red Teaming, Cloud Audit (AWS, GCP, Azure, Oracle Cloud (OCI))
- Expertise in penetration testing using various tools like Burp Suite, OWASP ZAP Proxy, Kali, SQLmap, Nmap, Nessus, Nexpose, Acunetix, Metasploit

EDUCATION AND CERTIFICATION

Master of Engineering in Cyber Security

University of Maryland, College Park

OSCP

Offensive Security Certified Professional [🔗](#)

2021

SKILLS

Penetration Testing

Network VAPT

RedTeam

Threat Modeling

Web AppSec

Code Review

Design Review

Architecture Review

API Testing

Reverse Engineering

MITRE

Active Directory

Mobile AppSec

Cloud Security

AWS

GCP

Azure

Oracle Cloud

Shell Script

Python

Bash

Wi-Fi Hacking

IoT Hacking

OT Security

Adversary Simulation

Blockchain Security

Smart Contract Audit

Prompt Engineering

PROJECTS EXECUTED

Research: Attack Surface Management (ASM) Tool

- Developed tool to perform Attack Surface Management for target organization's assets and find CVEs/Exploits on the assets
- Deployed ASM tool on AWS EC2 instance to perform automated reconnaissance on Bug bounty programs

Web Application Exploitation

- Bypassed Antivirus and security checks to gain shell on target server via malicious apk
- Successfully exploited file upload to gain shell on target server
- Created Malicious JavaScript for post exploitation

IoT Security Assessment

- Performed Security Assessment on Client's IoT Ecosystem gaining access to critical devices and API Servers resulting in identification of major data and source code leak
- Performed Exploitation for MQTT protocol to dump sensitive data
- Developed BadUSB using Digispark Attiny85 for Red teaming and Social engineering attacks

ACHIEVEMENTS

Presented Talk on Mastering Smart Contract Security [🔗](#)

Presented a talk covering topics such as Introduction to Blockchain, Smart Contracts, Security gaps, Exploits, and Mitigation techniques for smart contract bugs.

Research on Crucial Cyber Security Services

Developed and implemented IoT security testing, malware analysis, Indicator of Compromise (IoC), and Open-Source Intelligence (OSINT) services within the organization.

Employee of the Quarter

Got twice recognized as Employee of the quarter for dedicated and quality work

Hall of Fame/ CVE-2019-20058

Achieved Hall of Fame on TripAdvisor, Unilever, HealthifyMe, GM

EDUCATION AND CERTIFICATION

HacktheBox Dante ProLabs

Completed HacktheBox Prolabs

2021

AWS Security Fundamentals

Amazon Web Services Certified

2020

Bachelor of Engineering in Computer Engineering

Pune Institute of Computer Technology

CEH v9

Certified Ethical Hacker - EC Council

2016

LANGUAGES

English

Full Professional Proficiency

Hindi

Native or Bilingual Proficiency

Marathi

Native or Bilingual Proficiency

INTERESTS

Music

Cryptocurrency

Bug Bounty

Travelling