Ashutosh Barot

Security Researcher, Saptang Labs

https://ashutoshbarot.com
https://linktr.ee/ashutosh_barot

ashutoshtest1@gmail.com

https://in.linkedin.com/in/ashutoshbarot
@ashu_barot , @wahh_fans, @join_cwm

Blog: https://cyberworldmirror.com
HackerOne : https://hackerone.com/ashutosh7
Github: https://github.com/ashutosh771/

Impact: Prevented data breaches affecting 100M+ individuals | #2 on Coinbase Bug Bounty Program

Core Competencies:

- **Application Security:** Experienced in finding security issues in Web Apps, Mobile Apps, AI apps, Facebook Applications, APIs. Currently holding *2nd rank on Coinbase 's public bug bounty program on Hackerone .*
- **Vulnerability Management and Penetration Testing** - Proficient in finding and exploiting vulnerabilities in an organization's IT infrastructure including Web Applications, Servers, Cloud etc. Also performed vulnerability assessments using Nessus, Qualys guard scanner, Nexpose.
- **Adversary Simulation:** Familiar with BAS tools (Cymulate, SafeBreach, AttackIQ); worked with MITRE ATT&CK framework; created Atomic Red Team scripts for automation of adversarial tactics.
- Open-Source Intelligence: Proficient in discovering business-critical information about organizations, such as leaked credit card details and credentials, by monitoring specific forums and chat rooms in the Darknet.
- Computer Forensics: Proficient in Data Carving, Network Traffic Analysis, Memory Forensics, Familiar with tools like Wireshark, TCP Dump, Network Miner, Autopsy, Volatility, and many more.
- Endpoint Protection/Secure Configuration Review: Performed configuration reviews for Linux, Windows, Servers, Databases, Firewalls, Web Application Firewalls and Endpoints.
- Java, Javascript, C#, Python, HTML, CSS, PHP, Powershell, Bash scripting as well as basic knowledge of SQL Computer Networks, and Amazon Web Services
- Soft Skills **-** Curious**,** Quick learner, Detail-oriented, Extremely Trustworthy

Notable Findings:

- *"Personal info of Akasa Air's passengers leaked, airline informs CERT-In"*
- *"India shipping logistics giant Shipyaari exposed customer data"*
- *"Critical Flaw Reported In phpMyAdmin Lets Attackers Damage Databases"*

Work Experience and Projects:

- **Security Researcher at Saptang Labs**
  July 2025 - Present

  - Managed cybersecurity engagements, leveraging our proprietary solutions and TTPs
  - Research novel zero-day vulnerabilities to power innovative defences
  - Contributed to strategy and development of next-gen security products
  - Researching about Bot detection system and preventing bots

- **Manager at Deloitte Asia Pacific**
  June 2017 - July 2025 | 3 Promotions

  - Prevented large-scale data breaches by reporting critical misconfigurations and vulnerabilities for clients
  - Enhanced detection with adversary simulation, purple teaming, and automation using Atomic Red Team scripts for clients across Finance, technology, manufacturing, power and utilities, etc.
  - Led 30+ cybersecurity engagements across multiple sectors, prioritizing remediation based on risk and business impact
  - Conducted security assessments of web/mobile apps, APIs, and AI chat bots using multiple testing

approaches and coordinated vuln fixes, uncovered Shadow IT through black box security assessments with custom tooling, assisted clients develop WAF rules for virtual patching

- Delivered detailed reports and actionable recommendations to developers and leadership

- **Contributor** – Exploit Prediction Scoring System (EPSS) (Jul 2022 – Present)
- Law Enforcement: Gujarat Police Department (Feb 2016 – May 2016) – Consultant/volunteer for investigations of cybercrimes at office of Inspector General of Police, Gandhinagar Range

  - Forensic Science Laboratory, Gujarat - Digital Forensics Trainee
- Created **'ShortLink Scanner'** , a tool that scans large volumes of short URLs to identify those potentially leaking sensitive information. https://github.com/ashutosh771/shortlink-scanner

Industry Recognition:

- **Featured in** Coinbase Security Blog titled '10-Year Bug Bounty Program Celebration'
- **Awards From Google:**
  - $1,337 Abuse Research Grant for Google Meet vulnerability research and other rewards
  - Rewarded for identifying a security-critical error in Android's official documentation
- Hall of Fame & Rewards from Fortune 500, Academia & Leading Companies: Twitter, Coinbase, United Airlines (2M+ reward miles), Amazon AWS, JPMorgan Chase, IBM, Verizon, Nokia, Intel, Symantec, ING Bank, QuickHeal, NiceHash, Go Airlines, TrendMicro, FireEye HX, AVG Technologies, Avira, Harvard University, University of Cambridge, and others
- Government Recognition: NASA, United Nations, US Department of Defense, CERT-IN India, NCIIPC India

CVE Contributions (10+ Published)

- CVE-2022-23746: Reported security flaw in Authentication process in CheckPoint SSL Network Extender
- CVE-2017-1000499: Critical CSRF in phpMyAdmin - Featured in The Hacker News and others
- CVE-2019-5638/5640: Multiple vulnerabilities in Rapid7 InsightVM/Nexpose enterprise security products
- CVE-2019-6120/6121/6122: Security flaws in NiceHash Miner affecting 100,000+ cryptocurrency miners
- CVE-2020-27585/27586/27587: Multiple vulnerabilities in QuickHeal Total Security v18.0

Speaking Engagements & Training:

- **INTERPOL–NFSU** Training Programme - Delivered training on Open-Source Intelligence (OSINT) techniques for Crime Investigation to law enforcement officers from 10 countries.
- **ET CISO Annual Conclave 7th Edition:** Delivered session on Advanced Command-Line Obfuscation & Web Attack Case Studies to 100+ chief information security officers
- Training session on External Red Teaming Methodologies & Tactics at National Forensic Sciences University

Education:

- **Master of Technology in Cyber Security and Incident Response, 2017**
  National Forensic Sciences University **[NFSU]** [First Class with Distinction]
  Final Year Dissertation topic - 'Analysis of Ransomware Families and Incident Response'
- Bachelor of Engineering: Computer Engineering: 2015
  Ahmedabad Institute of Technology, Ahmedabad CGPA - 6.7

Hobbies and Interests:

Farming, tree planting, martial arts (Taekwondo, Gōjū-ryū), trekking