

# Nikhil Mokal

Cybersecurity Fellow

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☎ 9930575779

📍 Thane

🌐 Nikhil Mokal

## Summary

Aspiring VAPT Analyst with a foundation in Security Operations and Threat Analysis. Proficient in Python scripting, SIEM tools, and vulnerability assessment. Ranked in the Top 4% on TryHackMe (110+ challenges), demonstrating skills in penetration testing, identifying OWASP Top 10 vulnerabilities.

## Experience

07/2024 – present

Hybrid

### Research Fellow

CyberPeace Center of Excellence, SAKEC

- Developed projects and conducted research work focused on **Open-Source Intelligence** (OSINT) and the **MITRE ATT&CK framework**.
- Gained in-depth knowledge in cloud fundamentals, application security, app development, and basic **penetration testing** techniques.

06/2024 – 12/2024

Remote

### Cybersecurity Fellow & Cyber Content Creator

Deepcytes Cyber Labs UK

- Contributed key research during **Cyber Intelligence** fellowship, enhancing organizational cybersecurity knowledge.
- Demonstrated excellence in **research tasks** with strong leadership, team communication, and consistent **deadline adherence**.
- Created engaging **cybersecurity visual content** for DeepCytes Ventures' Instagram using Canva and Figma, boosting brand awareness.

07/2022 – 08/2022

Thane

### Service Team Intern

INFOBAHN TECHNICAL SOLUTION (I) Pvt. Ltd

- Diagnosed and resolved **hardware-related issues** on computer systems using troubleshooting methodologies.
- Developed a foundational understanding of computer hardware architecture, essential for identifying **potential system vulnerabilities**.

## Skills

### Cybersecurity

- Penetration Testing
- Network Security
- Vulnerability Assessment
- Hardware-Based Digital Forensics
- Security Awareness Training

### Tools

- Wireshark, Nmap, Ghidra, Nessus
- SonarQube, Jenkins, kubernetes
- Canva, Figma

### Programming & Scripting

- Python, Java
- Dart, SQL
- Bash (Basic)
- ReactJS

### Cloud

- AWS Security Principles
- Cloud Governance Principles

## Education

2026

Mumbai

### Bachelor of Engineering (BE), Cyber Security

Shah and Anchor Kutchhi Engineering College

CGPA: 8.7 (till 5th Sem)

2020 – 2023	<b>Diploma in Information Technology</b>
Thane	VPM's Polytechnic
	Percentage: 86.00%
2019 – 2020	<b>Secondary School Certificate (SSC)</b>
Thane	Bharat English High School
	Percentage: 8.0%

## Licenses & Certifications

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- Cybrary: DevSecOps Training (2 CEUs/CPES)
- OPSWAT Web Traffic Protection Associate
- TryHackMe: Pre Security, Web fundamentals
- EC-Council Learning: SQL Injection Attacks
- Cybrary: Cloud Governance Principles
- OPSWAT File Security Associate
- OPSWAT Network Security Associate
- HackerRank: SQL (Advanced)
- Udemy: Cyber security: OS security
- Advanced Hardware-Based Digital Forensic Investigations

## Projects

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### Karna: All in one Raksha Kavach

*Mobile Security Application*

- Led development and implementation of core security features for a mobile application designed to **combat misinformation** and enhance user security.
- Engineered an **AI-powered chatbot** (using Gemini API) for real-time fake news classification and cyber assistance.
- Incorporated features for **vulnerability detection**, fake news filtering, **malicious URL filtering**, password checking, and a security score system.
- Technologies: Flutter, Dart, Gemini API, Python (Backend assumed)

### Karna: Cybersecurity-Assisted Chatbot

*AI Chatbot Development - component of above*

- Developed an interactive AI chatbot using Flutter and Dart for **real-time security responses** and user guidance (leveraging Mistral AI Model).
- Implemented secure **API key management** and user-server communication protocols.
- Technologies: Flutter, Dart, Mistral AI Model

## Achievements & Activities

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### UMDCTF 2025 Participant (Team Chanakya)

- Ranked 48th (Student Division), 142nd (Overall out of 708 teams).

### DawgCTF 2025 Participant (Team Chanakya)

- Secured 149th place globally.

### Pentathon 2025 Participant (Team Chanakya)

- Achieved All India Rank 74

### Published Research Paper: 'ML-Based Network Anomaly Detection'

*International Journal of Research Publication and Reviews (IJRPR)*

- Volume: 5, Issue: 4

### Ranked in the top 4% on TryHackMe

- solving over 110 challenges across web exploitation, network security, and reverse engineering.

### HackOverFlow 3.0 Participant (Team DNA)

- Developed the "Karna" mobile security application within 3 days.