

MUKUND RAO

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Summary

Cybersecurity engineer skilled in **penetration testing**, **threat detection**, and client-style engagements. **CEH & eJPT in progress**.

Skills

Cybersecurity: Penetration Testing (Nmap, Burp, SQLMap, MITM), Detection Engineering (ELK, ATT&CK), Incident Response (IOC/TTP extraction, PCAP), Security Automation (Python, Bash)

Technical: Programming (Python, C++, Java, JavaScript), Cloud/DevOps (AWS, Git, CI/CD), Web Development (MERN, SQL), Linux Administration (Kali, Ubuntu)

Experience

Freelancer — Cybersecurity & Application Security

Aug 2025 – Present

Client-style security services & consulting

Remote

- Delivered **pentests**, **detection engineering**, AWS hardening, and AppSec CI/CD integrations.
- Produced concise **executive summaries** with technical appendices and SOPs.

NULLCLASS

Jun 2025 – Jul 2025

SOC Analyst Intern

Remote

- Contributed to **3+** **investigations** (malware triage, intrusion detection); authored TTP/IOC summaries.

Projects

1. SQLSleuth — Advanced SQL Injection Scanner

Aug 2025

Python, Requests, Multi-threading

- Implemented error-based and boolean-based blind SQLi with multi-threaded payloads, achieving **30% faster scans**.
- Added custom payloads, header/cookie injection, and structured logging; open-sourced on GitHub.

2. ELK Correlation Rules: Account Abuse, DNS Tunneling, PowerShell

Jun 2025

Detection Engineering

- Built **6+** **rules** across 3 lab envs; visualized in Kibana; mapped to ATT&CK.
- Reduced detection triage time by **25%** via optimized filters and alerts.

3. HawkEye Stealer — Red/Blue Analysis

Jun 2025

Threat Analysis

- Extracted **15+** **IOCs** and **7+** **TTPs** from PCAP; improved detection accuracy by **20%**.

4. Other Projects

2024 – 2025

Offensive/Defensive Labs

- Network Attack Simulation (ARP/MITM): Documented **5+** **detection patterns**.
- Secure Hospital Management Web App: Mitigated **10+** **potential flaws**.

Education

Vellore Institute of Technology, Bhopal

Oct 2022 – Jul 2026

B.Tech. in Computer Science (CGPA: 8.02/10)

Bhopal, MP