

# MUKUL JOSHI

+91-7078153883 | [memukuljoshi@gmail.com](mailto:memukuljoshi@gmail.com) | [LinkedIn](#) | [YouTube](#) | [TryHackMe](#) | [GitHub](#)

## EDUCATION

### Army Institute of Technology (AIT)

Bachelor of Engineering in Computer Science (Expected Grad: June 2027)

Pune, Maharashtra

August 2023 – Present

## EXPERIENCE

### Fenrir Security Pvt Ltd

Cybersecurity Research Intern

Remote

February 2026 – May 2026

- Executed penetration testing on web applications and designed AI-driven custom skill files utilizing prompt engineering, increasing the efficiency of automated vulnerability detection.
- Programmed custom Python and Bash scripts to automate reconnaissance, network enumeration, and payload delivery workflows.

### CopperCloud IoTech Pvt Ltd

Intern, IoT Security

Pune, Maharashtra

April 2025 – July 2025

- Deployed secure IoT architectures for Industry 4.0 applications, fortifying system resilience through hands-on hardware implementation and rigorous security audits.

## PROJECTS

### CYB3RFY - YouTube Cybersecurity Channel | Content Creation, Community Building August 2024 – Present

- Instructed an educational cybersecurity community of **360+** subscribers across **90+** technical videos focused on web exploitation, CTFs, and practical hacking techniques.

### CTF Platform | Django, JavaScript, GitHub

October 2025 – December 2025

- Architected a full-stack CTF platform utilizing Django and JavaScript, integrating real-time scoreboards and multi-category challenges to facilitate competitive hacking events.

### Offensive Security Research and Tool Development | Python, Bash, IoT Hardware

June 2025 – May 2026

- Authored technical reports to responsibly disclose high-severity vulnerabilities, including an IDOR on a government portal (RTI Online) and credential exposure within a private bank's onboarding flow.
- Engineered custom offensive tooling, including Python and Bash scripts for evasive keylogger PoCs, to simulate real-world execution vectors and conduct behavioral analysis.
- Documented hardware-based IoT vulnerability research by provisioning an ESP32 Marauder to execute 802.11 wireless attacks, assessing network resilience via targeted deauthentication.

## TECHNICAL SKILLS

**Languages:** Python, JavaScript, C/C++, HTML/CSS, Bash, SQL

**Security Tools:** Burp Suite, Nmap, Metasploit, Wireshark, SQLmap, Hydra, Gobuster

**Security Domains:** Web Exploitation, Penetration Testing, Digital Forensics, Cryptography, OSINT, Malware Analysis, IoT Security, Prompt Engineering

**Developer Tools:** Git, GitHub, Linux (Kali, Garuda, Ubuntu), Secure Web Development

## POSITIONS OF RESPONSIBILITY

### Secretary, Information Security and Digital Forensics (ISDF) Club

July 2025 – Present

Army Institute of Technology

Pune, MH

- Mentored a core committee of **40 juniors** to manage a community of **1,500+** members, and presented technical workshops on forensics, steganography, and web exploitation to **200+** students.
- Directed the organization of **Bypass CTF**, a 36-hour hybrid competition featuring **542 teams** online and a top-30 offline finale.

## ACHIEVEMENTS

**Platforms and Teams:** Top 1% on **TryHackMe**; Active member of **Team Tracebash** (Top 10 in India on CTFtime).

**Podium Finishes:** **1st Rank** in CTFQuest '26; **2nd Rank** at H7CTF (Top 0.2%) and DY Patil Offline CTF; **3rd Rank** at Code Intrusion CTF (IIIT Bhagalpur) and SCIT CyberON CTF.

**Notable Rankings:** **5th Rank** at Lakshya CTF; **6th Rank** at Trinetra CTF qualifying for the offline finale at Shiv Nadar University; **11th Rank** at Vishwa CTF Mini.

## EXTRACURRICULAR ACTIVITIES

### Instrumentalist and Musician (Flute, Ukulele)

August 2023 – Present

Army Institute of Technology

Pune, MH

- Performed at intercollegiate music events, collaborating with peers and utilizing technical audio workflows to record, layer, and mix musical covers.