

Mihir P. Soman

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Professional Summary

Cybersecurity and Digital Forensics student with proven expertise in ethical hacking, cybercrime investigation, and building innovative security frameworks. Adept in both offensive and defensive security strategies with recognized contributions to national-level hackathons and innovation challenges. Skilled in hands-on threat analysis, forensics, penetration testing, and dark web security.

Technical Skills

Languages & Scripting: Python, Java, Bash, Shell Scripting, C++, C, HTML, JavaScript.

Networking & Protocols: TCP/IP, ISO 27001, Port Security

Cybersecurity Tools:

- Scanning & Analysis: Nmap, Self-Nmap, Wireshark, Netcat, Tcpdump, Nikto, Burp Suite, all scanning and analysis tools and many more.
- Offensive Tools: Metasploit, UFONet, Low Orbit Ion Cannon (LOIC) and many more.
- Forensics Tools: Autopsy, Volatility, FTK Imager, Cyber Triage, HashCalc.

Domains: Digital Forensics (DFIR), Penetration Testing, OSINT, Privilege Escalation, SIEM, Hashing, Dark Web Hacking, Encryption and Cryptography.

Soft Skills: Leadership, Communication, Strategy, Outreach & Marketing

Education

MIT ADT University, Pune

B.Tech in Computer Science – Cybersecurity & Forensics

2023 – 2027

Defence Career Academy, Aurangabad

Higher Secondary Certificate – Computer Science

2021 – 2023

Certifications

- EC-Council: Black Hat Python
- Certified Network Security Practitioner
- Google CyberSecurity Professional Certificate

- Systools: DFIR Certified
- Pune University: Advanced Cybercrime Investigator
- CASIS (Canada) & DAIC (UK): Cybercrime Investigation
- 20+ Micro-certifications: OSINT, Ethical Hacking, Prompt Engineering, Cyber Hygiene, etc.

Key Projects

- N.E.X.U.S (Network Engineered Xpert Unified Security) – Hybrid offensive + defensive cybersecurity framework
- S.H.I.E.L.D (Secure Hacker Intrusion Elimination Layered Defense) – Defensive project; Winner of SciFest 2025
- A.R.T.I.F.I.C.E (Advanced Recognition and Targeted Infiltration For Intrusive Cyber Environment) – Offensive project simulating real-world attack scenarios
- Cyber Triage Tool – Integrated memory dump analyzer (Finalist at SIH 2024, Winner of Innovation Sandbox 2025)
- Self-NMAP – Custom-built network scanner with post-investigation integration
- 5+ Micro projects: Management Systems, Scoring Systems, etc.

Achievements

- Winner – Innovation Sandbox 2025
- Finalist – Smart India Hackathon (SIH) 2024
- Winner – SciFest 2025 Hackathon (MIT ADT)
- Leadership & Outreach Member – Institution's Innovation Council (IIC), MIT ADT
- Speaker – Identity Shield Summit 2025: Spoke to professionals on Dark Web: Basics, Threats, and Accessibility
- Trainer – Xploit Event at MIT ADT: Delivered a student session on Privilege Escalation Techniques
- Trainer – Trinity College: Conducted cybersecurity training for students of the Cybersecurity Department

Languages

English, Hindi, Marathi (Fluent)
Sanskrit (Basic)

Interests

Trekking, Painting
Handball, Boxing, Rifle Shooting