

# Jakkaraju Varshith

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## Profile

Security researcher specializing in Red Teaming, Exploit Development, Threat Hunting, Digital Forensics & Incident Response (DFIR), and Malware Analysis. Over 2 years of hands-on red teaming and offensive security experience across live-fire, academic, and enterprise-scale simulations. I am skilled in developing offensive security tools, red team infrastructure, and AI-driven security automation. Strong academic foundation with hands-on expertise in malware reverse engineering, exploit development, and MCP (Model Context Protocol) security tools.

## Experience & Volunteering

- **Rashtriya Raksha University** – Red Teamer at multiple internal and external Live-Fire Exercises
- **Bharat NXC 2025** – Red Teamer & AI in Cybersecurity Training Assistant
- **CII-SECX 2025** – Red Teamer & AI in Cybersecurity Training Assistant
- **Bharat NXC 2024** – Blue Teamer & DFIR Training Assistant

## Education

- **M.SC CYBER SECURITY & DIGITAL FORENSICS** | RASHTRIYA RAKSHA UNIVERSITY | 2024-26 | GPA: 7.32
- **B.SC (HONS) FORENSIC SCIENCE** | G.D GOENKA UNIVERSITY | 2021-24 | GPA: 8.37
- **12<sup>TH</sup> GRADE** | SHIVANI JR. COLLEGE | 2019-21 | GPA: 8.40
- **10<sup>TH</sup> GRADE** | OXFORD HIGH SCHOOL | 2018-19 | GPA: 8.50

## Skills

- **Offensive Security:** Red Team Operator, Exploit Development, Malware Development, Command-and-Control (C2C) Operations, MITRE ATT&CK Framework, Threat Simulation, Threat Emulation
- **Forensics & Defence:** DFIR, Threat Hunting, Reverse Engineering, Memory Forensics, MITRE D3FEND Framework
- **Programming & Scripting:** Python, Assembly, PowerShell, Bash
- **Other Expertise:** MCP Servers, Generative AI in Cybersecurity, Security Automations
- **Languages:** English, Hindi, Telugu

## Projects

- **Self-Deleting Exploit/Payload:** Windows 11-compatible advanced process injection with stealth deletion.
- **Impacket-MCP:** AI-Powered Impacket-Suite, for offensive security automation.
- **Volatility3-MCP:** AI-integrated memory forensics tool, which includes, batch executions for faster results, etc..
- **IDApro-MCP:** AI-assisted Reverse Engineering framework, which includes multi-instance support for packer analysis.
- **Hovoc-MCP:** AI-assisted Havoc C2 Framework for automated payload creation, command execution, etc.

## Certifications

- *(Ongoing)* Certified Binary Fuzzing & Reversing Professional (CBFRPro) – The SecOps Group
- *(Ongoing)* Certified Red Team – CredOps Infiltrator (CRT-COI) - CWL
- Certified Red Team Analyst (CRTA) – CWL
- Certified Red Team Infrastructure Developer (CRT-ID) – CWL
- Microsoft Cybersecurity Architect - Microsoft
- Certified Network Security Practitioner (CNSP) – SecOps Group
- ISO/IEC 27001:2022 Lead Auditor – Mastermind
- OPSWAT Associate Certifications (Multiple.) – OPSWAT Academy
- Windows & Advanced Forensics – Belkasoft
- OSForensics Triage Certification – PassMark Software

## Achievements

- 1st – CodeArena 2.0 (SIH25 Internal Hackathon), Rashtriya Raksha University
- 1st Runner-up – Kurukshetra Hackathon (System Security Research), DRDO, DIA-SVPCoE
- Grand Finalist – Smart India Hackathon (SIH) 2024
- Multiple CTF competitions – Winner
- CTF Challenges Creator