

Akash Kumar

☎ +39 3312464342 | ✉ admin@mrakashkumar.in | 🌐 mrakashkumar.in | 🔗 linkedin.com/in/0x1ak4sh

ABOUT

Penetration testing student with hands-on experience through home labs, CTF challenges, and personal cybersecurity projects. Experienced with Windows, Linux, Active Directory, networking, and web security. Passionate about problem-solving and continuously developing skills in red teaming, physical security, wireless security, and phishing simulations.

EDUCATION

High School Diploma in Information Technology (Informatica)

2023 – 2026

IISS G. Marconi M.Hack

Bari, Italy

- Completed in Italy as a foreign student. Learned Italian while finishing my studies, which was a valuable experience both personally and professionally.

Intern – Cherubina

Feb 2025 – Mar 2025

PCTO, 4th year

Seville, Spain

- Worked on a Shopify-based e-commerce store, helping identify and resolve website issues, reviewing analytics, and supporting ongoing improvements while adapting to a professional work environment.

PROJECTS

Red Team Dropbox – Raspberry Pi + Tailscale | mrakashkumar.in/projects/dropbox-raspberry-pi

- Built a Raspberry Pi-based red team dropbox using Tailscale VPN, subnet routing, and remote access to simulate internal network access during security assessments.

Hybrid Active Directory Enterprise Lab | mrakashkumar.in/projects/hybrid-ad-lab

- Built a multi-cloud hybrid Active Directory environment with Windows Server, Entra ID synchronization, Exchange Server, WireGuard mesh VPN, and simulated enterprise attack paths.

BeaconHub – Virtual Wi-Fi Pentesting Lab | mrakashkumar.in/projects/beaconhub

- Developed a virtual Wi-Fi security lab using Vagrant, VirtualBox, mac80211_hwsim, hostapd, and aircrack-ng to practice WPA2, WPA2-Enterprise, and WEP testing.

C2 Infrastructure – Redirectors & Traffic Filtering Lab | mrakashkumar.in/articles/c2-deployment

- Deployed a C2 infrastructure lab using Sliver, Mythic, Caddy reverse proxy, and Cloudflare with traffic filtering, redirectors, decoy hosting, and network traffic analysis.

CERTIFICATIONS

Junior Penetration Tester (eJPT) | Certified Red Team Analyst (CRTA) | Junior Penetration Tester (PT1)
Multi-Cloud Red Team Analyst (MCRTA)

LANGUAGES

English – Professional Working | Italian – B1 (Intermediate)

VOLUNTEERING

Conference Volunteer

Oct 2024 & Oct 2025

NoHat Computer Security Conference (BITM)

Bergamo, Italy

Event Volunteer

Nov 2025

Google DevFest Bari – GDG Bari

Bari, Italy