

HALA NAAZ

CYBERSECURITY | SECURITY ENGINEERING

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GitHub | Portfolio | LinkedIn

PROFESSIONAL SUMMARY

Cybersecurity practitioner focused on offensive security, vulnerability assessment, penetration testing, security testing, threat analysis, and security engineering. Hands-on experience building security-focused applications and labs across reconnaissance, red teaming, threat intelligence, ransomware detection, Active Directory security, web application security, API security, and security automation. Experienced with Python, FastAPI, Next.js, Linux/Kali, Burp Suite, Nmap, and Wireshark. Currently working as a Cybersecurity Intern at Internmo and conducting independent security research through AshlynxCyber.

TECHNICAL SKILLS

- **Offensive Security:** Red Teaming, Penetration Testing, VAPT, Vulnerability Assessment, Reconnaissance, Web Application Security, Attack Surface Analysis, Threat Modeling
- **Defensive Security:** Threat Detection, Security Monitoring, Threat Hunting, Incident Response, Detection Engineering, Threat Analysis, Security Automation
- **Application & Threat Intelligence:** API Security, Input Validation, Secrets Management, Rate Limiting, Threat Intelligence, MITRE ATT&CK, STIX 2.1, Risk Scoring
- **Tools & Development:** Burp Suite, Nmap, Wireshark, Kali Linux, Linux, Python, FastAPI, Next.js, REST APIs, SQL, Git, GitHub

EXPERIENCE

Internmo

Cybersecurity Intern — Present

- Completed cybersecurity projects involving practical implementation, security testing, vulnerability analysis, documentation, and project development.
- Applied offensive and defensive security concepts through hands-on vulnerability assessment, security research, and security engineering work.

AshlynxCyber

Independent Cybersecurity & AI Security Research — Nov 2025 - Present

- Build cybersecurity tools, security prototypes, and research projects focused on offensive security, threat analysis, security engineering, and automation.
- Conduct hands-on experimentation involving reconnaissance, security testing, vulnerability analysis, attack-surface research, threat detection, and defensive validation.

SELECTED PROJECTS

- **ThreatLens – Cyber Threat Intelligence Platform** *Python, FastAPI, Next.js, PostgreSQL, Elasticsearch* – Built a CTI/SOC platform for threat intelligence aggregation, enrichment, correlation, scoring, and threat hunting; implemented MITRE ATT&CK mapping, STIX 2.1 export, SIEM blocklist generation, API rate limiting, and security controls.
- **Ransomware Detection & Response System (RDRS)** *Python, FastAPI, SQLite, Docker* – Built a local-first ransomware detection platform using behavioral filesystem telemetry, Shannon entropy analysis, and process monitoring; implemented threat scoring, alert generation, incident response, evidence preservation, and simulation-safe response.
- **Nexora Active Directory Red Teaming Lab** *Windows Server, Active Directory, Kali Linux* – Building a controlled AD red-team environment for enumeration, attack-path analysis, privilege escalation, and defensive validation, supporting repeatable enterprise security testing.
- **ScamShield AI – AI-Powered Threat Analysis Platform** *Python, Next.js, AWS Lambda, API Gateway, Gemini* – Built an explainable threat-analysis platform combining deterministic detection with AI-assisted analysis; implemented input validation, rate limiting, SSRF protection, secret isolation, and risk fusion.

SECURITY PRACTICE

- **TryHackMe:** Hands-on labs covering reconnaissance, enumeration, web security, and security testing.
- **PortSwigger Web Security Academy:** Hands-on web application security labs covering common vulnerabilities.

TRAINING

CyberMindSpace – Ethical Hacking | CyberMindSpace – 10-Day AI Security Engineering Workshop

EDUCATION

Prananath Autonomous College, Khurda

B.Com – Expected 2027