

# Nomaan Jamaluddin

## Security Engineer

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## SUMMARY

Security Engineer specializing in Penetration Testing, Cloud Infrastructure, and Agentic AI. Fluent in building and deploying secure agentic workflows, from automated vulnerability remediation to AI-assisted offensive security tooling. Proven track record of shipping resilient, production-grade systems.

## EXPERIENCE

**Security Content Engineer** | *Razz Security* Feb 2026 – Present

- Led secure code reviews for Python and Flask applications, identifying insecure patterns and remediation gaps
- Built AI-assisted workflows to triage CVEs and generate remediation recommendations for engineer review
- Deployed 150+ offensive security training modules with hardened Docker and NGINX reverse proxy configs
- Owned full development lifecycle from research to UI/UX design through security validation

**Systems Engineer** | *Independent* Feb 2024 – Jun 2025

- Provisioned and maintained Linux-based cloud infrastructure for client workloads on Akamai/Linode
- Hardened client environments with per-tenant VPN access, network segmentation, and restricted service exposure
- Slashed operational costs by 35% by migrating commercial SaaS to hardened, open-source self-hosted solutions
- Decreased manual patching overhead by 60% via Ansible-automated CVE remediation across all client instances

**Penetration Tester Intern** | *VIEH Group* Nov 2022 – Feb 2023

- Secured 5 production applications by identifying and reporting 20+ critical OWASP Top 10 bugs
- Presented high-impact proof-of-concept attacks to support remediation prioritization
- Translated technical risks into actionable remediation strategies, achieving 100% fix-verification on all findings
- Accelerated remediation timelines by 30% by partnering with developers for continuous retesting

## CERTIFICATIONS

**eCPPT:** Certified Professional Penetration Tester | *INE* Dec 2025

**CEH:** Certified Ethical Hacker | *EC-Council* Mar 2025

**eJPT:** Junior Penetration Tester | *INE* Jun 2021

## PROJECTS

**Public Key Infrastructure Lab** | *Linux, PKI, Active Directory, Docker*

- Architected a multi-tier PKI to simulate enterprise certificate lifecycle management
- Evaluated EJBCA with HSM-backed key protection against AD CS to assess security tradeoffs
- Automated certificate issuance, renewal, and revocation workflows to reduce manual intervention

**AI-Driven Vulnerability Assessment Platform** | *Python, Ollama, VirusTotal, Shodan API*

- Built an automated reconnaissance and vulnerability scanning framework with Shodan integration
- Correlated CVEs, static analysis results, and malware indicators in a single n8n pipeline
- Used concurrent execution and optimized local inference to reduce scan time by 45%

## ACHIEVEMENTS

- Achieved Pro Hacker rank on *Hack The Box* ([Link](#))
- Ranked Top 1% globally on *TryHackMe* ([Link](#))

## EDUCATION

**Osmania University** | Hyderabad, India Dec 2021 – Jun 2025  
*Bachelor of Engineering (Computer Science and Engineering)* GPA: 7.99/10

## TECHNICAL SKILLS

**Programming & Automation:** Python, C, C++, Rust, C#, Assembly, Claude Code, OpenAI Codex, OpenWork, n8n

**Cloud & Frameworks:** AWS, Akamai (Linode), Linux (Ubuntu, Fedora, Arch), Docker, Ansible, CI/CD (Jenkins)

**Security Tools:** Splunk, Wazuh, Semgrep, Nessus, Metasploit, Mimikatz, Wireshark, BloodHound

**Infrastructure:** .NET, Kubernetes, Active Directory, Public Key Infrastructure, IAM