Atharva Khanvilkar

Cloud & Infrastructure | Cloud Security

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LinkedIn | GitHub | TryHackMe | Website

Education

Vivekanand Education Society's Institute of Technology Dec 2021 - June 2025
BE in Artificial Intelligence & Data Science - Mumbai | Cumulative GPA: 7.82 / 10

Experience

Graduate Engineer Trainee (NOC) - African Industries Oct 2025 - May 2026
- Monitored uptime and alerts across 32 locations using the SonicWall firewall dashboard and vmPing, escalating incidents to ISPs and internal teams.
- Wrote Bash and PowerShell scripts to automate ping-latency and traceroute reports from 2 ISPs, used to compare link performance and maintain ISP records.
- Created and maintained network maps for the data center to speed up troubleshooting.
- Performed first-line troubleshooting with ISPs during outages to restore connectivity.

IT Intern - UpGrad Sept 2025 - Oct 2025
- Supported employees with technical issues and laptop setup, and managed helpdesk tickets by coordinating with IT teams for timely resolutions.

Cyber Security Intern - Raise Financial Services June 2025 - July 2025
- Performed web application and API security testing using Burp Suite and OWASP methodologies; reported 10+ vulnerabilities, including 1-2 critical and 3-4 high severity.
- Identified an access-control vulnerability (IDOR) that exposed other users' sensitive government ID data, and reported it.

Projects

Home Lab | Project link
- Built a self-hosted environment on Ubuntu Linux running Dockerized services (Immich, Jellyfin) behind an Nginx reverse proxy.
- Secured remote access with Tailscale: services stay private to the tailnet, and only this portfolio site is published publicly via Tailscale Funnel.
- Set up log analysis and visitor analytics with GoAccess and Umami, with dashboards restricted to LAN access.

Relay | In Progress
- Building an end-to-end encrypted credential-sharing platform (Flask, REST APIs) using public key cryptography, so the server only stores and relays ciphertext it cannot read.
- Implemented JWT authentication with token revocation, secure key management, and APIs for encrypted message exchange and user presence tracking.

Enabled | Project link
- Enabled is a community platform app specially designed for People With Disabilities (PWDs).

Honours & Awards

e-YIC Regional Finalist | Certificate link
- Developed Enabled, earning regional finalist status in e-Yantra Innovation Challenge.

Courses & Certifications

CompTIA Security+ (SY0-701) | CompTIA | Certificate link
- Built knowledge in security fundamentals, risk management, network security, and incident response.

AWS Certified Solutions Architect - Associate (SAA-C03) | AWS | In Progress
- Studying cloud infrastructure, IAM, networking, and cloud security on AWS.

Google Cybersecurity Specialization | Google | Certificate link
- Gained hands-on experience in Cybersecurity fundamentals, Network security, SIEM tools, Linux, and SQL.

TryHackMe Jr. Penetration Tester | TryHackMe | Certificate link
- Acquired practical skills in Vulnerability assessment, Exploitation techniques, Network enumeration, and using industry-standard tools like Nmap, Burp Suite, and Metasploit.

Skills

Languages: Python, SQL, Bash/Shell Scripting, PowerShell.

Tools & Technologies: AWS (SAA in progress), Linux (Ubuntu), Docker, Nginx, Tailscale, Git, TCP/IP, DNS, DHCP, VPN, SonicWall Firewalls, Network Monitoring (vmPing), Troubleshooting, Traceroute/Ping Diagnostics, Wireshark, Log Analysis (GoAccess), Nmap, Burp Suite, OWASP Top 10.