

# ATHIRA K

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[Kerala, India]

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## Objective

A motivated and detail-oriented cybersecurity enthusiast with hands-on experience in ethical hacking labs and CTFs, seeking an entry-level position as a Penetration Tester to apply and grow my skills in real-world environments.

## Technical Skills

- **Penetration Testing Tools:** Nmap, Burp Suite, Metasploit, Wireshark, Nikto, SQLmap, Cewl, Gobuster, Netcat, Php reverse shell – Pentest monkey, Linux exploit suggester, hydra
- **Operating Systems:** Kali Linux, Parrot OS, Windows, Ubuntu
- **Languages:** Python, Bash, HTML, JavaScript (basic)
- **Security Skills:** Vulnerability Assessment, Web Application Testing, Network Scanning, OWASP Top 10
- **Others:** VirtualBox, VMware, Git, Wireshark

## Trainings & Certifications

1. Ethical Hacking (In Progress – Expected 2025) – AVODHA EDUTECH PRIVATE LIMITED

Data Intelligence | Networking | Vulnerability Management | Steganography | Web App Pentesting | OWASP TOP 10 | Cryptography | Network & Android Pentesting

2. Certified Penetration Tester (2025) - REDTEAM HACKER ACADEMY

Network and Advanced Web Application Penetration Testing | Vulnerability Management | Wireless Security | Penetration Testing Standards and VAPT - Report writing | AD Pentesting | Docker Security | Thick-client Pentesting | Cloud Pentesting

## Projects & Labs

1. REDTEAM HACKER ACADEMY PENETRATION TESTING (Personal Project)

- Performed an internal penetration test on the Red Team system that Red Team Hacker Academy had provided.

- This test covered every stage from beginning to end in order to replicate a real-world penetration test including the final report.
- 2. Completed hands-on labs from TryHackMe, Hack the Box, Pentest Garage, and PortSwigger Web Security Academy
- Completed 50+ rooms including “Mr. Robot,” “Blue,” “Bounty Hunter”
- Gained practical experience with privilege escalation and reverse shells
- Gained experience in exploiting common vulnerabilities such as XSS, SQL Injection, and authentication bypass

## Experience

Software Engineer | UST Global Inc – Thiruvananthapuram, Kerala

Duration: September 2021 – March 2023

- Specialized in Java development
- Worked on enterprise-level solutions with a focus on code quality, performance, and maintainability
- Collaborated in agile teams to deliver scalable backend features

## Education

Master of Technology (M.Tech) in VLSI Design and Embedded Systems

Kerala Technological University (KTU), Kerala — Graduated in 2021

## Soft Skills

- Problem-solving and analytical mindset
- Strong communication and report-writing skills
- Team collaboration and adaptability

## Additional Information

- Passionate about cybersecurity, continuously learning and practicing via online platforms
- Open to internships or junior roles in penetration testing, red teaming, or vulnerability assessment