

# Thallapalli Krishna Sai Teja

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## EDUCATION

<b>Institute of Aeronautical Engineering</b> , Hyderabad, India	Expected Graduation – 2027
B.Tech in Computer Science and Engineering (Cybersecurity)	CGPA: 8.88
<b>Rajiv Gandhi University of Knowledge and Technology</b> , Kadapa, India	Aug 2021 – Jul 2023
Pre-University Course (MPC with IT Minor)	CGPA: 9.22

## TECHNICAL SKILLS

**Programming Languages:** Java, Python  
**Web Development:** HTML, CSS, JavaScript  
**Database:** MySQL  
**Development Tools:** GitHub, VS Code  
**Core CS & Systems:** DSA, OOP, Operating Systems, Computer Networks  
**Vulnerability Management:** CVSS Scoring, Penetration Testing, Security Assessments  
**Security Tools & Frameworks:** Metasploit, Nmap, Spiderfoot, OWASP ZAP

## EXPERIENCE

<b>Institute of Aeronautical Engineering</b> , Hyderabad, India	
Summer Research Intern – Cybersecurity	Apr 2025 – Jun 2025
<ul style="list-style-type: none"><li>Planned and executed a five-phase penetration testing framework using CVSS scoring and impact analysis on Metasploitable environments.</li><li>Exploited real-world vulnerabilities including vsftpd and Shellshock via Metasploit, achieving shell/root access and validating severity ratings through practical attack simulations.</li><li>Built a Python-based vulnerability scoring tool to automate triage, identified 15+ critical security flaws, and enhanced the ethical hacking team's efficiency by 20% with faster prioritization and OWASP/PTES-compliant reporting.</li></ul>	

## PROJECTS

<b>Web Application Security Audit Tool (GitHub)</b>	Sep 2025
<ul style="list-style-type: none"><li>Implemented an automated audit pipeline with authenticated crawling, resilient checks, structured logging, and visual summaries for quick prioritization.</li><li>Used Python to take an input website, run security tests end-to-end, and deliver the results as an interactive HTML report website.</li></ul>	
<b>Mutual Management System (GitHub)</b>	Jan 2025
<ul style="list-style-type: none"><li>Developed a Java-based CLI application to manage 100+ user profiles and suggest over 1,000 mutual connections using shared link analysis.</li><li>Improved account handling efficiency by 80% through optimized <math>O(n)</math> login/registration and <math>O(m)</math> connection traversal using LinkedLists.</li></ul>	

## CERTIFICATES

**Cybersecurity Virtual Internship** – AICTE-EduSkills (Supported by Palo Alto Networks)  
**Python Certification** – Reliance Foundation Skilling Academy  
**Data Structures and Algorithms in Java** – Infosys Springboard  
**Cybersecurity and Ethical Hacking** – Infosys Springboard

## E-PORTFOLIO

- Portfolio:** [E-Portfolio](#) – Showcases projects, skills, and career profile.
- GitHub:** [github.com/ThallapalliKrishnaSaiTeja](https://github.com/ThallapalliKrishnaSaiTeja) - Code repositories showcasing projects.