

ALOK VEMULA

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Professional Summary

Aspiring cybersecurity professional with a solid foundation in software development and problem-solving. Skilled in applying analytical thinking and technical expertise to build secure applications. Committed to continuous learning and pursuing a full-time career in cybersecurity.

Key Skills

Technical	Python, Java, C, Linux, Bash scripting, HTML/CSS/JavaScript, Git, Wireshark, Vulnerability scanning (OWASP ZAP), Networking (TCP/IP), Docker (familiar)
Cybersecurity	Security fundamentals, Threat analysis, Penetration testing labs (TryHackMe/HackTheBox), Vulnerability assessment, Secure coding
Tools	GitHub, VS Code, Wireshark, OWASP ZAP (familiar), Virtual machines
Soft Skills	Analytical thinking, Problem solving, Rapid self-learning, Project planning, Communication

Projects

Healthcare Records Management System

2025

- Built a secure and efficient digital system for hospitals/clinics to manage patient records.
- Integrated patient history, prescriptions, treatments, lab reports, and billing modules.
- Ensured compliance with data privacy and healthcare regulations.
- Tech Stack: Next.js, TypeScript, React, Tailwind CSS, Gemini API.

Online Event Ticketing System

2025

- Designed an online platform for booking event tickets, choosing seats, and receiving e-tickets.
 - Enabled organizers to manage events, track sales, and generate analytics reports.
 - Implemented secure payment integration and real-time availability.
 - Tech Stack: JavaScript, React, Tailwind CSS, Node.js.
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Education

Bachelor of Technology

Expected: 2027

SR University, Warangal

Current CGPA: 8.2

Relevant coursework: Computer Networks, Operating Systems, Information Security, Data Structures

Experience

Cybersecurity Intern – RINEX

3 Months

- Conducted training sessions for students on cybersecurity fundamentals and practices.
 - Contributed to projects related to ethical hacking and vulnerability testing.
 - Achieved RINEX Ethical Hacking and Cybersecurity Certification.
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Certifications & Training

- RINEX Ethical Hacking and Cybersecurity Certificate.
 - Ongoing: Hands-on labs on TryHackMe / HackTheBox (documented in GitHub).
 - Planned: CompTIA Security+, CompTIA Network+, Google Cybersecurity Certificate.
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Selected Achievements

- Converted learning into demonstrable projects (Healthcare Records Management System and Online Event Ticketing System) and maintained a public GitHub.
- Consistently meet weekly learning targets; iteratively improve roadmaps based on hands-on feedback and lab performance.

Keywords for ATS

Cybersecurity, Vulnerability Assessment, Penetration Testing, Network Security, Linux, Python, Wireshark, OWASP, Secure Coding, Incident Response, SIEM, Cloud Security.