

CHAVALA VENKATKALYAN

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Summary

Motivated Computer Science student specializing in cybersecurity and IT support, with hands-on experience in system troubleshooting, network security concepts, and vulnerability awareness. Passionate about safeguarding systems and assisting users with effective technical solutions.

Education

Usha Rama College of Engineering and Technology

May 2025

Bachelor of Technology in Computer Science and Engineering — CGPA: 7.54

Vijayawada, Andhra Pradesh

KBN College

Sept 2021

Intermediate (MPC Stream) — CGPA: 8.0

Vijayawada, Andhra Pradesh

Ravindra Bharathi School

Mar 2019

Secondary School Certificate (SSC) — CGPA: 8.3

Vijayawada, Andhra Pradesh

Experience

Centre for Development of Advanced Computing (CDAC)

May 2025 – Sept 2025

Work Based Learning Internship

Bangalore, Karnataka

- Worked on real-time cybersecurity and full-stack projects involving secure portal development, vulnerability assessment.
- Supported R&D teams with system design, coding, testing, and documentation; collaborated with senior scientists on government-focused software solutions.
- Provided Technical support to 200+ students, conducted hands-on sessions, and mentored peers on coding aligned with OWASP.

Projects

Secure Web Portal for CyberSecurity Awareness | Spring Boot, JavaScript, MySQL

May 2025 – Sept 2025

- A secure, role-based cybersecurity awareness portal featuring dashboards, course management, job assistance, CVE tracking, and research uploads. Implemented OWASP protections and integrated a virtual lab using VMs and noVNC for hands-on practice.

Modern Career Guidance Platform | Java, Spring Boot, NLP, HTML, CSS, JavaScript

July 2024 - Dec 2024

- Engineered a recommendation engine leveraging collaborative filtering and machine learning to deliver personalized course suggestions. Boosted user engagement by 60% and increased course completion rates by 35%.

Technical Skills

Operating Systems & Administration: Windows, Linux

Technical Support Competencies: Hardware & Software Troubleshooting, Remote Desktop Support, System Installation & Configuration, Network Connectivity Issues, End-User Assistance, System Upgrades & Maintenance

Networking & Security Tools: Nmap, Wireshark, Burpsuite, VPN Configuration, Basic VAPT Awareness

Cloud & Virtualization Platforms: Amazon Web Services (AWS), VirtualBox, VMware, noVNC

Programming Languages: Java, Python, SQL, JavaScript, HTML/CSS

Frameworks & Development Tools: Spring Boot, Figma, REST APIs, Git, Maven

Certifications

EC-Council: Network Defense Essentials, Ethical Hacking Essentials

IBM: Penetration Testing and Incident Response

NPTEL: Introduction to IIOT 4.0, CyberSecurity and Privacy, Blockchain and its Applications

AWS Academy Graduate: Cloud Architecting (2023)

Workshops: Prompt Engineering with Machine Learning; Amazon Web Services & DevOps – Brain O Vision.

Bootcamp: Demystifying Android App Security – C-DAC Hyderabad.

Achievements

- First Prize, Web Development Competition:** Awarded 1st place twice in the college-level competition organized by the AICTE Cell, demonstrating superior web development skills.
- Top 10 Finalist, GUVI Skill-A-Thon:** Outperformed 200,000+ participants to rank in the top 10 for designing the official Andhra Pradesh State Skill Development Corporation APSSDC government website.
- Second Prize, Cyber Security Seminar & Bug Bounty:** Awarded 2nd prize for a comprehensive security presentation and for identifying and reporting critical application vulnerabilities.