

# SANTHOSH M

## Cybersecurity Analyst

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## SUMMARY

I am a Computer Engineering graduate with a Certified Ethical Hacker certification and hands-on experience in ethical hacking and penetration testing. I specialize in vulnerability assessment and web application security, with a keen focus on identifying and mitigating security weaknesses to enhance organizational security posture.

## KEY ACHIEVEMENTS

### Vulnerability Assessment Success

Conducted over 50 vulnerability assessments with a 95% success rate in findings.

### Security Posture Enhancement

Optimized security posture for 5+ projects, reducing vulnerabilities by 40%.

### Cybersecurity Lecture Series

Delivered 10+ cybersecurity lectures, educating 500+ students on security practices.

### Client-Side Encryption Development

Developed encryption extension used by 50 clients, ensuring 100% data confidentiality.

## EXPERIENCE

10/2025

Coimbatore, India

- Penetration Tester Trainee

### **Cybervault Innovations and Technologies Pvt Ltd**

A company specializing in cybersecurity solutions

- Learned and explained fundamentals of VAPT, including reconnaissance, vulnerability identification, and basic risk understanding
- Analyzed network architecture, firewall rule sets, and segmentation strategies to identify security gaps
- Delivered cybersecurity awareness lectures to students, explaining common threats, attack vectors, and basic security practices

## EDUCATION

08/2021 - 05/2025

Nagapattinam

- B.Tech

### **EGS Pillay Engineering College**

06/2020 - 05/2021

Karaikal

- Higher Secondary School

### **Karaikal Ammaiyan High School**

## SKILLS

OWASP	VAPT	Burp Suite	Nmap	Wireshark	Metasploit	Reconnaissance	Exploitation	WebSecurity
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## CERTIFICATION

❖ Certified Ethical Hacker (CEH V13)

❖ Certified API Hacking Expert (CAPIE)

❖ Network Basic -CISCO

## PROJECTS

### Vulnerability Assessment & Penetration Testing (VAPT)

Conducted vulnerability assessment and penetration testing

- Executed systematic vulnerability scans and conducted authorized penetration tests on a simulated network
- Identified, documented, and prioritized security risks and providing clear evidence of potential impact

Collaborated with a security team to analyze findings and propose actionable remediations, strengthening the overall security posture

### Robust encryption for cloud file sharing as web extension

Created an encryption solution for secure file sharing

- Developed a client-side encryption chrome web extension and tested against modern vulnerabilities
- Ensured data confidentiality even in the event of cloud compromise by enforcing client-side encryption