

## Shanmuk Venkat

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Passionate cybersecurity student with a deep fascination for defending digital landscapes and safeguarding critical information. I'm driven by a relentless curiosity to explore emerging security threats and develop innovative solutions to combat cyberattacks. I thrive on challenging myself to stay ahead of evolving risks, continuously honing my skills in penetration testing, network security, and threat analysis. Excited to apply my expertise to real-world projects, I'm eager to contribute to the mission of protecting organizations and making a lasting impact in the field of cybersecurity.

## EXPERIENCE

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### Tata Consultancy Services.

06/2023 – 12/2023

Cybersecurity Analyst

Hyderabad, India

- Led proactive monitoring and incident response efforts, safeguarding critical data across 150+ systems in real-time.
- Conducted 80+ vulnerability assessments, identifying and mitigating risks to reduce potential threats by 65%.
- Developed and implemented automated scripts, reducing incident response time by 40% and minimizing security breaches.
- Trained 200+ employees on cybersecurity best practices, resulting in a 70% decrease in phishing-related incidents across the organization.

### Indian Space Research Organization.

08/2022 – 11/2022

Penetration Tester -Intern

Srihari Kota, India

- Led the execution of comprehensive penetration tests, identifying and mitigating critical vulnerabilities across 30+ systems, improving security posture by 35%.
- Conducted network and application security assessments, exposing high-risk weaknesses and contributing to a 40% reduction in attack surface within three months.
- Collaborated with development teams to implement secure coding practices, enhancing application security and reducing vulnerabilities by 50%.
- Engineered a phishing simulation campaign, raising employee awareness and reducing phishing success rates by 25%.
- Delivered actionable security recommendations, leading to a 30% improvement in overall system hardening and risk mitigation strategies across the organization.

### Nineleaps.

03/2022 – 06/2022

Security Operations Center (SOC) Analyst-Intern

Bangalore, India

- Collaborated with senior security engineers to monitor and analyze real-time alerts from SIEM tools, identifying potential threats and reducing incident response times by 30%.
- Embraced Agile methodologies to expedite incident handling processes, improving resolution efficiency and reducing false positives by 25%.
- Mentored 5 junior analysts on incident triage and log analysis techniques, improving overall team performance and increasing response efficiency by 20%.
  - Conducted security log analysis and contributed to root cause investigations, helping improve system defenses and achieve a 60% reduction in recurring incidents.

## SKILLS

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- **Tools:** Splunk, Metasploit, Burp Suite, Kali Linux, Wireshark, Nmap, John the Ripper, Hashcat, AWS Security Hub, Splunk Phantom, Cisco Firepower
- **Technical Skills:** Internet security, Information Security, Cloud Security, Network security, Vulnerability assessment, Penetration Testing, Cloud computing, Information Assurance, Ethical Hacking, Identity Access

Management (IAM), Problem solving.

## EDUCATION

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**Quinnipiac University, Hamden, Connecticut**  
Masters in Cyber Security

09/2022 - 05/2024

**Jawaharlal Nehru Technological University, Ananthapuramu**  
Bachelor of technology in Electronics and Communication Engineering

8/2019 - 05/2023

## PROJECTS

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**Virtual Voice Assistant:** The goal of this project is to develop a virtual voice assistant capable of understanding natural language commands and performing tasks such as answering questions, managing schedules, controlling smart home devices, and retrieving relevant information from the web. The assistant will utilize speech recognition, natural language processing (NLP), and text-to-speech (TTS) technologies to interact with users seamlessly.

## ACCOMPLISHMENTS

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**Ransomware Cybercase Competition:** I accepted the CISO role, conducted a thorough analysis of the situation, and authored a well-structured report outlining the necessary steps to be taken, ultimately earning the first prize.

**7-day Bootcamp on Cybersecurity Fundamentals and Network Security, Devtown:** I gained hands-on experience in key cybersecurity concepts such as encryption, authentication protocols, and network security. The program included practical sessions on setting up secure server authentication, configuring firewalls, and implementing multi-factor authentication. I also explored tools like Wireshark for network analysis and completed a project securing a mock web application. Certified by Google Developer Groups.