

CHELLADHANUSH S

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PROFESSIONAL SUMMARY

Cybersecurity specialist with hands-on experience supporting defence-sector initiatives in cyber policy analysis, threat intelligence, digital forensics, and secure DevSecOps practices. Proven expertise in collaborating with defence organizations, DPSUs, startups, and MSMEs to advance cybersecurity R&D, indigenization efforts, and technology integration under the Atmanirbhar Bharat Mission. Skilled in offensive and defensive security, vulnerability management, and secure development pipelines with a strong foundation in defence-specific frameworks like NIST, MITRE ATT&CK, and OWASP Top 10. Passionate about contributing to national security through cybersecurity excellence and innovation.

EDUCATION

SATHYABAMA INSTITUTE OF SCIENCE AND TECHNOLOGY

Bachelor of Engineering

Computer Science and Engineering with Specialization in Cyber Security

Cumulative GPA: 8.08/10

Relevant Coursework: Cryptography and Network Security, Forensics and Incident Response, Malware Analysis, Cyber Physical Systems, Deep Learning Neural Networks, Generative AI and LLMs, Penetration Testing

Chennai, Tamil Nadu

Sep 2021 - May 2025

ROSE MARY M.H.S.S

Higher Secondary Education

Percentage: 90.41%

Tirunelveli, Tamil Nadu

May 2019 - May 2021

WORK EXPERIENCE

iDEX-DIO, MINISTRY OF DEFENCE, GOVT. OF INDIA

iDEAL Intern

New Delhi, Delhi

Mar 2025 – Present

- Assisted in cybersecurity policy analysis, defence acquisition, and R&D for indigenization under the Atmanirbhar Bharat Mission; engaged with Defence Directorates, DPSUs, startups, MSMEs, and supported international collaborations on cyber defence.
- Contributed to the development of a platform for managing existing technology cases within the Department of Defence Production to prevent duplication of efforts across organizations, alongside threat analysis, compliance tracking, and stakeholder engagement.

MULTID

Drone Forensic Research Intern

Bangalore, Karnataka

Dec 2022 – Apr 2023

- Conducted advanced analysis of drone flight and GPS data, reverse-engineered software protocols, and evaluated security vulnerabilities, including MITM attacks, signal spoofing, and RF jamming using SDR tools.
- Performed flight path reconstruction, payload inspection, and practical drone piloting for security validation and operational optimization.

ACTIVITIES

OPEN WORLDWIDE APPLICATION SECURITY PROJECT(OWASP) - SIST CHAPTER

Chapter Leader

Chennai, Tamil Nadu

Feb 2023 – May 2025

- Spearheaded cybersecurity projects, technical events, and CTFs while driving awareness campaigns and fostering collaboration among students.
- Recruited multidisciplinary teams, contributed to faculty research, and established the chapter as a hub for innovation and skill development in application security.

ASSOCIATION FOR COMPUTING MACHINERY (ACM) - SIST CHAPTER

Vice Chairperson

Chennai, Tamil Nadu

Jan 2024 – Oct 2024

- Managed chapter operations, membership, and events while ensuring alignment with ACM policies.
- Planned budgets, audits, and elections, fostered partnerships with local ACM groups, and led recruitment campaigns.
- Mentored students, enhancing member engagement and strengthening the chapter's leadership pipeline.

INDIAN CYBER CRIME COORDINATION CENTRE

Cyber Volunteer

Chennai, Tamil Nadu

Jan 2024 – Present

- Assisted law enforcement in solving cybercrime cases and conducting forensic investigations; Collaborated with officers to enhance investigative strategies.
- Led awareness initiatives on cyber scams and fraud prevention; facilitated the filing of cybercrime complaints.

UNIVERSITY PROJECTS

ADVANCED DEVSECOPS CI/CD PIPELINE SECURITY ORCHESTRATION

Apr 2025

- Developed CI/CD pipeline integrating SonarQube, Trivy, Kubeaudit, and OWASP Dependency-Check for automated code quality and security checks.
- Orchestrated DevSecOps workflow using GitHub, Jenkins, Docker, Kubernetes, Prometheus, and Grafana for secure deployments and continuous monitoring.

AI-DRIVEN DRONE FOR AUTOMATED ALARM AND TARGETED PAYLOAD DEPLOYMENT

Sep 2023

- Developed an AI-driven quadcopter for disaster management, integrating YOLO-based real-time object detection, automated alarm generation via buzzers, and precise payload deployment using servo motors.
- Utilized Pixhawk, Raspberry Pi Zero, and multispectral/thermal cameras to deliver critical supplies autonomously in humanitarian, military, and search & rescue scenarios.

ACCOMPLISHMENTS

KALAM Award for Best Society Development Project

Feb 2018

Honored with the KALAM Award for Best Society Development Project by Kalasalingam University, evaluated by esteemed guest Dr. Dillibabu Vijayakumar, Scientist at DRDO & Director at National Design Research Forum.

University's Best Project Award

May 2025

Awarded with the Best Project Award in the Department of Computer Science and Engineering (Cyber Security), Sathyabama Institute of Science & Technology.

TechnoVIT'22 VIT CTF Winner

Sep 2022

Secured the First Place in 'VIT Capture The Flag', a competition to showcase the Hacking skills at TechnoVIT'22, the annual techfest of Vellore Institute of Technology, hosted by the School of Computer Science & Engineering.

InCTF Runner-up

Sep 2021

Secured the Second Place in 'InCTF', a National level Ethical Hacking contest, hosted by Amrita Vishwa Vidyapeetham and Amrita Center for Cyber Security Systems and Networks, under the "Top Experienced Hacker of InCTF 2021" category.

TECHASTRA's Mr. ROBOT Runner-up

Sep 2022

Secured the Second Place in 'Mr. ROBOT', an ethical hacking competition at TECHASTRA'22, a National Level Technical Symposium organized by Dr. M.G.R Educational and Research Institute.

SKILLS

Technical Skills:

- Security Tools: Burp Suite, Wireshark, Metasploit, Nessus
- Development Tools: GitHub, Jenkins, Docker, Kubernetes
- Cloud Platforms: AWS, Azure, GCP

Tools & Technologies:

- SIEM & Logging: Splunk, ELK Stack
- Vulnerability Scanners: Nmap
- Code Analysis: SonarQube
- Operating Systems: Linux (Ubuntu, Kali), Windows Server, Windows 10/11
- Frameworks & Standards: NIST Cybersecurity Framework, MITRE ATT&CK, OWASP Top 10
- Frontend: React, Angular
- Backend: Node.js
- Databases: MySQL, MongoDB

Programming Languages: Python, C, Bash, PowerShell, JavaScript

Languages: Fluent in English, Tamil; Conversational Proficiency in Hindi

Certifications & Training: Certified Ethical Hacker (CEH V12)