

# LAKSHITHA S

Computer Science Engineering (CYBERSECURITY)

Chennai, INDIA



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**PROFILE** Highly motivated individual with a solid foundation in cybersecurity principles and hands-on experience in identifying vulnerabilities and assessing security risks. Passionate about leveraging my problem-solving skills and technical expertise to uncover security weaknesses and strengthen defenses. Eager to contribute to the advancement of cybersecurity practices and support organizations in building resilient security infrastructures.

**EDUCATION** Bachelor of Engineering – Computer Science with CyberSecurity  
Sathyabama Institute of Science and Technology, Chennai (CGPA - 8.77 up to IV Sem)

**EXPERIENCE** Cyber Lumen MIST Academy, Seoul, South Korea (1 July 2025 -30 Sep 2025)  
Successfully completed an elite 3-month Cyber Offensive Training Program, hosted by French Korean Cyber Alliance RALFKAIROS, under the academic and strategic leadership of Purple Hackademy and its international panel of cybersecurity mentors. The program encompassed advanced online training, hands-on simulation exercises, and also the preparation of real-world penetration testing reports.

SKILLS	Technical Skills	Programming & Scripting	Soft Skills
	<ul style="list-style-type: none"><li>• Web Application Pentesting</li><li>• OWASP Top 10</li><li>• VS Code, GitHub</li><li>• Ubuntu / Kali Linux</li><li>• BurpSuite</li><li>• Nmap, Wireshark</li><li>• MS Word, Excel, PowerPoint</li><li>• Networking &amp; Protocols</li></ul>	<ul style="list-style-type: none"><li>• Proficient in Python (PyAutoGUI, BeautifulSoup, Selenium, Django, Flask, Pandas, NumPy)</li><li>• Bash</li><li>• Java, C</li><li>• MySQL HTML, CSS</li></ul>	<ul style="list-style-type: none"><li>• Problem Solving &amp; Analytical Skills</li><li>• Strategic Thinking</li><li>• Attention to Detail</li><li>• Teamwork</li><li>• Analysis of both qualitative &amp; quantitative data</li><li>• Quick Learner</li></ul>

**LANGUAGES** English, Tamil, French (Elementary Proficiency)

**CTFs**

- Won the Cyber Lumen CTF Selection Challenge conducted by RALFKAIROS, Seoul.
- 1<sup>st</sup> Place – TEXUS'25, SRM Institute of Science and Technology, Ramapuram, Chennai.
- 2<sup>nd</sup> Place – OWASP x Anzen, hosted by Easwari Engineering College, Ramapuram, Chennai. COSMOS Event, Sathyabama Institute of Science and Technology, Chennai
- 3<sup>rd</sup> Place – Exaverse, SRM Institute of Science and Technology, Vadapalani, Chennai

**EXTRA -** Member of the WiCyS Student Chapter (Women in CyberSecurity)

**CURRICULAR** Member of Technical Team of Student Chapter – OWASP

Organised the following events:

- Facilitated an Awareness Program on 'Higher Education – Opportunities & Guidance'
- Coordinated a Career Guidance Program
- Managed and delivered a Program on 'The Art of Hacking'
- Conducted Industrial Outreach Programs on Safe Social Media Awareness (WiCyS)
- Organized 'Eternal Lock CTF' (Capture the Flag Event)

## ACADEMIC PROJECTS

Developed a Python-based *Social Engineering Tool* that automates phishing email campaigns with customizable email templates, various landing page theme choices, and logging of credential submissions.

*Tools Used:* Flask, Ngrok, PyInstaller, smtplib, HTML, CSS, Javascript

Designed & implemented a *Secure Cyber-Physical Vehicle Ignition System* using biometric fingerprint authentication.

*Tools Used:* ESP32, R307 Fingerprint Sensor, OLED Display, Relay Module, 4x4 Keypad, Buzzer

## PERSONAL PROJECTS

### Automation Projects

I have undertaken and successfully completed several personal projects that focus on automating various routine tasks and processes using Python. These projects have allowed me to gain hands-on experience in

- automating repetitive tasks & anomaly detection; creating clean and well-structured Excel report generators
- integrating and working with various APIs; designing efficient, high-speed automated web scrapers

*Tools Used:* PyAutoGUI, BeautifulSoup, Selenium, MS Excel

### Dynamic Timetable Generator

Developed an automation tool using Python and MS Excel to streamline class and faculty scheduling, reducing scheduling time by 80% and eliminating 95% of conflicts, benefiting 2000+ students and 50+ faculty members.

*Tools Used:* Python, MS Excel