K. LASYA RAO

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EDUCATION

Institute of Aeronautical Engineering, Hyderabad, India *Expected Graduation: May 2027*
B.Tech in Computer Science and Engineering GPA: 9.25/10
FIITJEE Junior College, Hyderabad *April 2023*
12th GPA: 9.58/10
Army Public School, R.K Puram *March 2020*
10th CBSE GPA: 9.24/10

TECHNICAL SKILLS

Programming Languages: Java, Python, C
Tools: Kali Linux, Metasploit, Nmap, Wireshark, Burpsuite, OSINT Tools
Cybersecurity: Computer Networking, Ethical Hacking, VAPT, Web App Security.
Front-End: HTML, CSS, Bootstrap, JavaScript, ReactJS
Back-End: MySQL, OracleDB

INTERNSHIPS

Women Safety Wing, Telangana Police *Jul – Aug 2025*
Cybersecurity Intern

- Investigated 10+ real-world cybercrime cases, including loan app harassment and missing person tracking, applying OSINT and reconnaissance tools.
- Designed and executed simulated phishing attacks and social engineering scenarios that increased public awareness and improved cybersecurity readiness among targeted groups.
- Applied vulnerability assessment techniques to analyze digital evidence and document risks.

EDUNET Foundation – IBM SkillsBuild *Jan – Feb 2025*
Cybersecurity Intern

- Developed a Python-based steganography tool (StegaPy), enabling secure transmission of hidden messages in images.
- Completed over 20+ hands-on labs in IBM SkillsBuild, covering topics like threat modelling, network security, and incident response

Postdev.in *Sept 2024*
Digital Operations and Growth Associate

- Under Training in Postdev Infosec, a pioneering PTaaS startup that delivers cutting-edge cybersecurity solutions globally.
- Practiced application network penetration testing techniques with tools like Metasploit and BurpSuite.
- Engaged in networking events, conferences, and trade shows to establish industry connections and generate business leads.

PROJECTS

ClientInsight: Data Capture Tool *Jul 2025*

- Built a web-based tool using **JavaScript**, **Node.js**, and **Express.js** to capture user metadata such as geolocation, device information, IP address, and browser details.
- Designed the backend to store captured data in structured **JSON** format for later analysis.
- Deployed the application on **Render** to enable live access and testing.

Cybersecurity Lab: Meta-Exploitation of Metasploitable VM *Apr 2025*

- Conducted reconnaissance with **Nmap** to identify vulnerable ports and services on the Metasploitable VM.
- Exploited 3 critical services (vsftpd, Samba, SSH) using Metasploit, gaining root acces.
- Executed brute-force and exploitation techniques to gain system access and documented the attack methodology.

StegaPy: Steganography Tool *Mar 2025*

- Developed a Python-based GUI application using **Tkinter** for hiding and retrieving secret messages in images.
- Implemented **LSB (Least Significant Bit)** steganography with password-protected **Fernet encryption (AES-based)** for secure communication.
- Tested with 10+ images, ensuring consistent message recovery.

CERTIFICATES

Google - Cybersecurity Foundations, Risk Management, Network Security *Sept 2024, Nov 2024, Dec 2024*
IBM SkillsBuild – Introduction to Cybersecurity (MDL-403), Cybersecurity Fundamentals *Jan, Feb 2025*
NPTEL – Java Programming, Python with Data Structures and Algorithms *Apr 2024, Sept 2024*
NxtWave – Static and Responsive Web Development, Javascript Fundamentals, *Dec 2024, Mar 2025 ,Jul 2025*
Database Fundamentals

CODING PROFILES

- LeetCode
- HackerRank
- CodeChef

LEADERSHIP

E-Cell IARE, Hyderabad, Telangana *Jan – Present 2025*
Technical Lead
Leading an 8-member technical team to develop and maintain web-based tools for event registration, data tracking, and internal workflows, improving the efficiency and technical capabilities of E-Cell operations.

Google Developer Groups On Campus IARE, Hyderabad, Telangana *Sept 2024 – Present*
Public Relations Lead
Spearheaded promotion for 10+ technical events, scaling attendance from 50 to 250+ students. Delivered workshops, webinars, and training programs on various domains including Cybersecurity topics, reaching a wider audience

e-Portfolios

Portfolio: https://profileprompt.streamlit.app/ – Features achievements, projects and interests.

HONOURS AND ACHIEVEMENTS

Runner-Up in Knowvation Hackathon 2025 for designing a Cyber-Help Button.