

LakshmiKanthan K

Ethical Hacker | Cybersecurity Researcher | AI & Data Science Student

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Passionate and results-driven B.Tech student specializing in Artificial Intelligence & Data Science with a strong focus on Cybersecurity and Ethical Hacking. Experienced in full-stack development, AI/ML model deployment, and vulnerability assessment. Active Bug Bounty Hunter with a track record of identifying critical security flaws (XSS, IDOR, SQLi) and securing web/mobile applications. Proficient in building autonomous security tools and leveraging AI for offensive security operations.

TECHNICAL SKILLS

- **Programming Languages:** Python, C++, Java, JavaScript, PHP, R, HTML5, CSS3, SQL (MySQL, PostgreSQL).
- **Cybersecurity & Tools:** Penetration Testing, Bug Bounty Hunting, Burp Suite, Metasploit, Nmap, Wireshark, OWASP Top 10, Kali Linux, Nessus, Aircrack-ng.
- **AI & Machine Learning:** TensorFlow, Keras, Scikit-learn, Pandas, NumPy, Computer Vision, NLP, LLM Integration.
- **Web Development:** React.js, Node.js, Express.js, Flask, Django, RESTful APIs, Vite, HTML/CSS.
- **Cloud & DevOps:** AWS (Cloud Foundations), Google Cloud Platform, Git, Docker, Linux Administration, Heroku, Netlify.
- **Hardware/IoT:** Arduino, ESP32/ESP8266, Raspberry Pi, PCB Design, Soldering.

PROFESSIONAL EXPERIENCE

AI & ML Developer Intern | *genzi.ai*

Jun 2025 - Present | Singapore (Remote)

- Functioning as an end-to-end developer, managing full-stack implementation from database design to frontend interfaces.
- Building and deploying custom AI chatbots and LLM-powered applications for real-world client use cases.
- Developing automation-driven solutions to streamline complex business processes.

Technical Team Member | *HackerHub8 Company LLP*

Sep 2025 - Present | Remote

- Collaborating on innovative R&D initiatives in technology and cybersecurity.
- Evaluating and implementing new tools and frameworks for web development projects.
- Contributing to the development of secure and scalable tech solutions.

Open Source Contributor | *Open Source Connect*

Sep 2025 - Present | Remote

- Actively contributing code, bug fixes, and documentation to various open-source projects.
 - Collaborating with the global developer community to build and improve shared software solutions.
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EDUCATION

B.Tech in Artificial Intelligence and Data Science

Sri Ramakrishna College of Engineering, Perambalur

2023 - 2027 | **CGPA: 8.00/10.0**

- **Key Coursework:** Machine Learning, Deep Learning, Data Structures & Algorithms, Computer Networks, Database Management Systems, Cyber Security, Cloud Computing.
- **Achievements:** Dean's List, Member of Tech Club, 18+ Projects completed.

Higher Secondary Certificate (XII)

Govt. Model Hr. Sec. School, Pattukkottai

2022 - 2023 | **Percentage: 62%**

- **Stream:** Science (Physics, Chemistry, Mathematics).
- **Highlights:** Strong foundation in core sciences and mathematics.

Secondary School Certificate (X)

St. Thomas Hr. Sec. School, Pattukkottai

2019 - 2020 | **Percentage: 75%**

- **Highlights:** Demonstrated early aptitude for science and technology.
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KEY PROJECTS

BugPilot CLI | *Python, AI, Pentesting Tools*

- Developed an AI-powered autonomous penetration testing assistant that operates directly from the CLI.
- Integrated support for 50+ security tools and multi-AI providers to streamline reconnaissance and vulnerability analysis.
- Features intelligent autocomplete and cross-platform compatibility.

Green AI Suite | *AI/ML, Sustainability*

- Created an AI platform to predict and optimize the carbon footprint of training machine learning models.
- Analyze energy costs and hardware efficiency to recommend sustainable ML workflows.
- Open-source project built originally for the Smart India Hackathon.

Kali MCP | Python, API, Linux

- Built a lightweight API bridge connecting MCP Clients to a Kali Linux terminal.
- Enables AI agents to execute terminal commands and run offensive security workflows.

ReconForge | Python, Web Development, Cybersecurity

- Developed a comprehensive, web-based bug hunting and penetration testing toolkit.
- Provides an extensive collection of reconnaissance tools and vulnerability testing methodologies.
- Designed for security researchers to streamline assessment utilities.

CyberRecon Arsenal | JavaScript, React, OSINT

- Advanced open-source reconnaissance toolkit for ethical hackers and OSINT researchers.
- Features modern UI built with Vite and React for efficient data analysis.
- Integrates multiple cybersecurity tools into a unified platform.

ReClaimor | Python, Reconnaissance

- Advanced tool for subdomain takeover reconnaissance and vulnerability detection.
- Automated scanning for potential takeovers across cloud providers.

NetSuck8266 | C++, ESP8266, Network Security

- Advanced firmware for Wi-Fi security testing including deauth attacks and evil twin APs.
- Features an OLED interface and mechanical key cloning capabilities.

Vaulto | React, TypeScript, Encryption

- Zero-knowledge password manager with client-side encryption and biometric auth.
- Secure PWA design for enterprise-grade credential management.

CERTIFICATIONS & ACHIEVEMENTS

- **Certified Red Team Operations Management (CRTOM)** - Red Team Leaders (2026)
- **Certified Red Team Analyst (CRTA)** - CyberWarFare Labs (2025)
- **Certified Cybersecurity Educator Professional (CCEP)** - Red Team Leaders (2025)
- **Certified Network Security Practitioner (CNSP)** - The SecOps Group (2025)
- **ISC2 Candidate** - ISC2 (2025)
- **OPSWAT Introduction to Critical Infrastructure Protection (ICIP)** - OPSWAT (2025)
- **LFS101: Introduction to Linux** - The Linux Foundation (2025)
- **Hall of Fame:** Recognized by multiple organizations for responsible vulnerability disclosure.