

# SIBIKARTHIK B K

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GitHub: [github.com/sibikarthik986](https://github.com/sibikarthik986) | Location: Chennai

## **PROFESSIONAL SUMMARY**

Certified Ethical Hacker (CEH) with strong knowledge in cybersecurity, networking, and Linux administration. Skilled in vulnerability assessment, penetration testing, and threat detection using leading security tools. Quick learner and team player, focused on delivering secure and efficient IT solutions.

## **EDUCATION**

Present – **MCA (Master of Computer Applications)**, SRM Valliammai Engineering College, Chennai | CGPA: 8.687

2023 – **BA (English)**, Gurunanak College (Autonomous), Chennai | 67.68%

2020 – **HSC**, Sriram Matric Hr. Sec. School, Dharmapuri | 56%

2018 – **SSLC**, Sriram Matric Hr. Sec. School, Dharmapuri | 81.2%

## **SKILLS**

- Networking & Protocols: CCNA, TCP/IP, Routing, Switching, Firewall, VPN, IDS, IPS, Network Security, Packet Analysis
- Operating Systems: Kali Linux, Windows, Linux Security, System Hardening
- Cybersecurity Tools & Hacking: Nmap, Metasploit, Nessus, Burp Suite, Wireshark, Snort
- Security Information and Event Management: Splunk
- Web & Application Security: SQL Injection (SQLi), XSS, CSRF, OWASP, Web Application Security Testing
- Cryptography & Encryption: AES, RSA, Hashing, SSL/TLS, Data Encryption, Public Key Infrastructure
- Programming & Scripting: Python, Basic shell script
- Web & Database Technologies: HTML, CSS, MySQL
- Productivity & Tools: MS Office, Documentation, Reporting, Security Log

## **PROJECTS**

### ML-Enhanced Behavioral & Anomaly Detection Web Application Firewall

- Aim: Detect and prevent abnormal/malicious web traffic
- Purpose: Protect web applications from SQLi, XSS, DDoS, and zero-day attacks
- Summary: Built ML-powered WAF that learns user behavior .Applied behavioral analytics for accurate threat detection Developed real-time alerts to flag suspicious activities
- Tech Stack: Python, Scikit-learn, Pandas, NumPy, Burp Suite, SQL, Flask, JavaScript, HTML/CSS

### AI & ML-Driven Autonomous Cyber Threat Detection and Predictive SIEM Framework

- Aim: Predict, detect, and auto-mitigate cyber threats
- Purpose: Enhance cybersecurity efficiency and reduce manual effort
- Summary: Developed predictive SIEM with automated threat response Integrated USB risk scoring, green scanning, and self-healing Added chatbot/voice assistant for real-time threat monitoring
- Tech Stack: Python, Scikit-learn, TensorFlow, Pandas, NumPy, Splunk, Wireshark, Nmap, Chatbot, Flask

## **CERTIFICATIONS**

- Certified Ethical Hacker - EC Council - ID ECC6019453782
- Career Development using Linux and Open-Source Software – SRM Valliammai Engineering College

## **ACHIEVEMENTS**

- International Journal of Innovative Research in Technology - ID 178127

## **INTERESTS & LANGUAGES**

- Interests/Hobbies: Hackathons, coding competitions, tech blogging, Hacker NEWS
- Languages: Tamil, English