KEERTHIVASAN M

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OBJECTIVE

To design and implement secure, scalable architectures and robust network defenses against evolving threats. Skilled in risk assessment, cloud security, and integrating security frameworks. Committed to enhancing organizational resilience with proactive security strategies.

EDUCATION

Bachelor of Engineering (Cyber security),Saveetha Engineering College   2023 - 2027

SKILLS

Threat Modeling and Penetration Testing
Security Orchestration, Automation, and Response (SOAR)
System Design and Architecture
Cloud Security Architecture
Risk Assessment and Management

PROJECTS

AES-Algorithm. Developed and integrated AES (Advanced Encryption Standard) for secure data encryption,Utilized Python's "**Cryptography**" library for robust and efficient encryption/decryption processes and for more details, contact GitHub! (GitHub)

UiPath Automation. Developed robust RPA (Robotic Process Automation) solutions for tasks such as data entry, report generation, and system integration, for more details, contact GitHub! (GitHub)

RealTime Object Detection. Developed a robust real-time object detection system using YOLO (You Only Look Once) for high-speed and accurate object identification in video feeds. **achieved 95% accuracy** in object detection (GitHub)

Smart India Hackathon SIH-1649. Leading a team in developing a DDoS Protection System for Cloud environments, focusing on robust architecture and effective tools to safeguard against distributed denial-of-service attacks for the Ministry of Defence.(ORCID)

Data Download Duplication Alert System (DDAS). This script is designed to monitor the data download process.This advanced setup leverages **BERT** for similarity, **Autoencoders** for anomaly detection.(Try it here)

P2P Network. A P2P network is a decentralized architecture where peers (nodes) connect directly, commonly used for file sharing and blockchain applications.(Try it here)

EXTRA-CURRICULAR ACTIVITIES

- Actively write blog posts and social media posts (LinkedIn).
- **Coders Club:** Demonstrated strong leadership skills through active roles in **Coders Club** and **Invotue**, fostering innovation and collaboration among peers.

LEADERSHIP

- **CEO, IPSQ:** Spearheaded a student-run cybersecurity organization, driving strategic initiatives, managing a team, and coordinating events to advance cybersecurity education and awareness. (website)
- **Project Lead:** Directed a team of peers in developing and implementing cybersecurity solutions, overseeing project timelines and deliverables. Project Page! (Try it here)
- **Event Coordinator:** Organized and led workshops and seminars on cybersecurity topics, **ICANS24 , Script in Linux , Codefest,Real-Time Database in FireBase ,Hand-on-Hand Hacking** .