SUDARSHAN AJOY SINDHU

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EDUCATION

Indian Institute of Information Technology, Gwalior *Expected 2028*
Madhya Pradesh, INDIA
Integrated MTech in Information Technology
Relevant Coursework: Operating Systems, Computer Networks, OOPS, DBMS, Data Structures and Algorithms,Information Security And Secure Coding , Compiler Design

The Model School 2015–2023
Abu Dhabi, UAE

PROJECTS

- **Phishing Detector Chrome Extension:** *JavaScript, Chrome Extension API, Python, Flask, scikit-learn*
  - Built a machine learning–powered phishing detection system with a Chrome extension client that extracts URL-based security features and a Flask backend serving a trained Random Forest model for real-time threat classification.
  - Developed end-to-end architecture including model training pipeline, REST prediction API, and feature-extraction engine, ensuring strict feature consistency between training and inference for reliable detection accuracy.

- **IoT Honeypot System:** *Python, Flask, MQTT, Linux, Networking*
  - Developed a low-interaction IoT honeypot that emulates vulnerable smart devices using MQTT sensors and lightweight Flask endpoints to attract real attacker traffic and capture malicious interaction patterns.
  - Implemented logging, credential-harvesting, and behavior analysis workflows on a Linux environment to study botnet activity, exploit attempts, and scanning behavior for threat-intelligence research.

SKILLS SUMMARY

Languages: C, C++, Python, JavaScript, HTML, CSS, Bash
Cybersecurity: Malware Analysis, Web Application & Network Pentesting
Database: MySQL
Tools: Canva, Ghidra, ProcMon, Wireshark, x64dbg, Burp Suite, Nmap, Metasploit, Git, GitHub, VS Code, Linux, Google Cloud SCC

CERTIFICATIONS

- Malware Analysis and Introduction to Assembly — IBM

- Google Cloud Cybersecurity Certificate — Google

- Ethical Hacker — Cisco

- ISO/IEC 27001 Information Security Associate

- Python Hacking — Real Ethical Hacking with Python

- API Security Fundamentals — Apisec University

POSITIONS OF RESPONSIBILITY

- Member, Zero Day Club — IIITM