

SUDARSHAN AJOY SINDHU

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LinkedIn | GitHub | TryHackMe | LeetCode

EDUCATION

ABV Indian Institute of Information Technology and Management, Gwalior
Madhya Pradesh, INDIA

Expected 2028

Integrated MTech in Information Technology

Relevant Coursework: Operating Systems, Computer Networks, OOPS, DBMS, DSA, Information Security & Secure Coding, Compiler Design, Trustworthy AI

The Model School

2015–2023

Abu Dhabi, UAE

PROJECTS

• **Pentest Reporter:**

Python, Next.js, FastAPI, Docker | [Live Project Link](#)

- **Overview:** A full-stack security reporting platform designed to streamline the workflow of penetration testers, allowing users to create projects, upload scan results, and generate PDF reports.
- Engineered a secure authentication system featuring both Google OAuth 2.0 and a custom OTP-based email login flow using FastAPI and BackgroundTasks for asynchronous email delivery.
- Designed a robust database schema with SQLAlchemy and PostgreSQL to manage users, projects, scans, and vulnerabilities, enforcing strict foreign-key relationships.
- Deployed a containerized microservices architecture using Docker on Render.com, implementing CORS middleware and secure environment variable management.

• **Phishing Detector Chrome Extension:**

JavaScript, Python, Flask, Scikit-learn | [GitHub Link](#)

- 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.

• **Personal Portfolio & Analytics Platform:**

Next.js 16, TypeScript, Redis, Tailwind CSS | [GitHub Link](#)

- Engineered a high-performance, type-safe portfolio using **Next.js 16** (Turbopack) and deployed on the Vercel Edge Network, achieving optimal SEO and load times.
- Built a serverless "Silent Logger" using **Next.js Middleware** and **Upstash Redis** to capture request headers (IP, Geolocation) without client-side trackers.

SKILLS SUMMARY

Languages: C, C++, Python, JavaScript, HTML, CSS, Bash, SQL

Cybersecurity: Malware Analysis, Web Application Pentesting, Cloud Security, Secure Coding

Frameworks: Next.js, React, FastAPI, Flask, Docker, Git, VS Code, Burp Suite, Nmap, Wireshark, Ghidra

Databases: PostgreSQL, MySQL

CERTIFICATIONS

- Malware Analysis & Intro to Assembly (IBM)
- Google Cloud Cybersecurity Certificate
- Ethical Hacker (Cisco)
- ISO/IEC 27001 Info Security Associate
- Real Ethical Hacking with Python
- API Security Fundamentals (APIsec Univ)

POSITIONS OF RESPONSIBILITY

- Member, Zero Day Club — IIITM