

# SUDARSHAN AJOY SINDHU

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LinkedIn | GitHub | TryHackMe | LeetCode

## EDUCATION

**ABV Indian Institute of Information Technology and Management, Gwalior** *Expected 2028*  
Madhya Pradesh, INDIA  
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