Jose Rohit M

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Summary

Cyber Security engineering student with strong foundations in Governance, Risk, and Compliance (GRC), cloud security, and secure systems engineering. Experienced in assisting risk assessments, control mapping, security documentation, and audit readiness aligned with ISO 27001 and NIST frameworks. Hands-on exposure to IAM, SIEM monitoring (Wazuh), access controls, and cloud security fundamentals (AWS shared responsibility model). Currently pursuing CompTIA Security+ and upskilling in GRC automation, Okta IAM, and compliance-driven security operations.

Education

Amrita School of Engineering — Coimbatore, India
B.Tech in Computer Science and Engineering – Cyber Security — *2022 – 2026*
- CGPA: 8.19 / 10

Nalanda International Public School — CBSE
Class XII – MPC — *2022*
- Percentage: 84%

Sri Vijay Vidyalaya — State Board
Class X — *2020*
- Percentage: 98%

Skills

Programming Languages: Python, C++, Java, Solidity

Tools & Technologies: Wireshark, Nmap, Linux, Docker, Hyperledger, Hashcat, Nessus (Basic), AWS (Basic), Wazuh SIEM, Tesseract OCR

Domain Knowledge: Network Protocols, Threat Modelling, Cryptography, Encryption Techniques, Linux System Hardening

IAM: Identity lifecycle, Access provisioning & de-provisioning, RBAC/ABAC, SAML, OIDC

GRC: Risk assessment fundamentals, risk registers, security controls, policy documentation, ISO 27001, NIST CSF, SOC2, GDPR, audit readiness, compliance tracking, gap analysis, evidence collection

Certifications

CISCO – Introduction to Networking

Palo Alto Networks – Network Security

ISAC – Cyber Crime Intervention Officer

Okta – Explore Identity Foundations (2025)

Forage – Cybersecurity Analyst IAM Job Simulation (2025)

Currently Learning

CompTIA Security+ (SY0-701)

Wazuh SIEM & Endpoint Security

Okta Identity & Access Management

Blue Team Junior Analyst

Projects

Q-SFTP – Quantum Secure File Transfer Protocol | GitHub

- Designed a quantum-safe secure file transfer protocol using post-quantum cryptography concepts.
- Implemented lattice-based Key Encapsulation Mechanism using Kyber512 for secure key exchange.
- Integrated Dilithium2 digital signatures for mutual authentication and integrity verification.
- Built an AES-256-GCM encrypted data transfer pipeline ensuring confidentiality and integrity in transit.
- Designed a secure handshake mechanism with authentication tag verification to prevent tampering and replay attacks.
- Applied encryption-in-transit principles aligned with ISO 27001 cryptographic control requirements.
- Documented trust boundaries, cryptographic assumptions, and protocol security flow for audit readiness.
- Ensured cross-platform compatibility across Windows, Linux, and Windows Subsystem for Linux (WSL).

Enterprise IAM Microservices Platform | GitHub

- Designed and implemented a microservices-based Identity and Access Management (IAM) system.
- Implemented authentication and authorization using JSON Web Tokens (JWT) with secure token handling.
- Designed Role-Based Access Control (RBAC) models following least privilege principles.
- Integrated Multi-Factor Authentication (Time-based One-Time Password) to enhance account security.
- Implemented identity lifecycle management including user provisioning and access revocation.
- Developed centralized audit logging for authentication, authorization, and access changes.
- Aligned access control and logging mechanisms with ISO 27001 and NIST CSF requirements.
- Deployed containerized microservices using Docker with a secure NGINX API gateway.

Security Concepts Applied

Post-Quantum Cryptography (Kyber, Dilithium)

Secure Key Management and Handshake Design

Encryption in Transit and at Rest

Incident response fundamentals, business continuity and disaster recovery basics

Identity and Access Management (IAM)

Role-Based Access Control (RBAC)

Multi-Factor Authentication (MFA)

Audit Logging and Compliance Evidence Generation

Secure Microservices and API Security

Soft Skills

Collaboration, Problem Solving, Time Management

Languages

English — Professional Working Proficiency

Tamil — Fundamental Proficiency