Jose Rohit M

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Summary

Cyber Security engineering student with strong fundamentals in networking, secure software development, blockchain, and distributed systems. Experienced in building secure applications, PQC-based protocols, and IAM integrations. Exposure to governance, risk, and compliance (GRC) concepts including risk assessment, security controls, and compliance fundamentals through coursework and Security+ preparation. Currently upskilling in Security+, Wazuh SIEM, and Okta Identity & Access Management.

Education

Amrita School of Engineering — Coimbatore, India
B.Tech in Computer Science and Engineering – Cyber Security — *2022 – 2026*
- CGPA: 8.14 / 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 (log analysis, dashboards), Tesseract OCR

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

IAM: Identity lifecycle, Access provisioning & de-provisioning, RBAC/ABAC, MFA/SSO, Zero Trust, IAM integrations

GRC: Risk assessment fundamentals, security controls, risk registers, compliance concepts (ISO 27001, NIST), third-party risk awareness, security documentation

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 Kyber512 (KEM) and Dilithium2 for mutual authentication.
- Built an AES-256-GCM encrypted transfer pipeline supporting text, images, PDFs, and binaries over TCP/IP.
- Implemented Dilithium-based certificate authority tooling and authentication-tag verification.
- Achieved cross-platform support (Windows, Linux, WSL) with modular architecture.

Elliptic Curve Cryptography (Sep 2023 – Nov 2023)| GitHub

- Built a Flask-based ECC secure communication system for real-time encrypted messaging.
- Implemented key generation, encryption, and decryption workflows.

Automatic License Plate Recognition (May 2024 – Jul 2024)| GitHub

- Developed an ALPR system using Python, OpenCV, TensorFlow, and Tesseract OCR.
- Improved accuracy using preprocessing and ML-based candidate filtering.

Electronic Voting System Using Enterprise Blockchain (Jun 2025 – Present)| GitHub

- Built a transparent and tamper-proof voting system using Ethereum smart contracts on Sepolia.
- Implemented voter registration, vote casting, and automated tallying with immutable logs.

Secure Password Manager | GitHub

- Created an offline-first password manager using Rust-based WebAssembly and AES-256-GCM.
- Implemented Argon2id key derivation and a zero-knowledge architecture.

Enterprise IAM Microservices Platform | *GitHub*

- Built a production-grade Identity and Access Management (IAM) system using a microservices architecture.
- Implemented secure authentication and authorization using JWT, RBAC, MFA (TOTP), password reset, API key management, and audit logging.
- Deployed containerized services using Docker with a secure NGINX gateway and cloud-ready architecture.

Soft Skills

Collaboration, Problem Solving, Time Management

Languages

English — Professional Working Proficiency

Tamil — Fundamental Proficiency