

Ajeethra Balamurugan

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PROFESSIONAL SUMMARY

Cybersecurity Professional with one year of experience in cyber prevent domain, specializing in Risk and Incident Management. ISACA CISA certified and trained in ISO 27001.

EDUCATION

University at Buffalo, The State University of New York

June 2023

Master of Science, Management Information Systems (GPA: 3.58/4.0)

Advanced Certificate in information security and Audit

Relevant courses: IT RISK (CRISC), Information Assurance, Cybersecurity, Predictive Analysis, DBMS, Statistics, IS Audit.

Vellore Institute of Technology, Vellore

June 2021

Bachelor of Technology in Computer Science Engineering (GPA: 3.26/4.0)

Relevant Courses: Digital Forensics, Cybersecurity, Database Management System, Operating System

EXPERIENCE

Vodafone Pvt Ltd, **Cyber Security Analyst**, India

Aug. 2021–Aug. 2022

Security Operations

- Administered Public Key Infrastructure Domain, serving as Vodafone's Certificate Authority for private and public-facing domains ensuring 99% adherence to service agreements of the PKI team.
- Monitored network traffic, conducted packet analysis of data, and investigated security alerts to ascertain prompt incident response following priority provided by infrastructure teams.
- Enhanced Organization's email security by utilizing the Cofense PhishMe tool to detect and thwart phishing emails and malware threats.
- Handled major escalated calls (L2 Level) and confirmed it is closed within defined SLA, granting support for internal audit.
- Led a security awareness initiative and conducted knowledge transfer sessions for 50 employees, received an award for creating video on DDOS and Social Engineering attacks.

Risk and Compliance Associate

- Assessed security controls to ensure compliance. Tested security systems to ensure integrity using SOC tools when adopting change management process within projects.
- Assisted in the preparation of reports for senior management, detailing risk profiles and compliance status.
- Possess academic knowledge of GRC software tools for risk assessments and compliance management.

RESEARCH PUBLICATIONS

Cryptography-based Authentication System for Secured Communication, VIT Vellore

Nov.2021–Apr.2022

Developed a secure communication system using biometric, cryptographic, and cloud technology. Optimized LBPH face recognition algorithm up to 5% for efficiency by identifying ideal balance between time and accuracy. Published research finding in an IEEE research paper.

Auditing Low-Code & No-Code Platforms: Securing Citizen Development, SUNY Buffalo

Nov.2022–Mar.2023

Authored a chapter on low-code/no-code platforms, risks, and controls for the book "Modernizing Enterprise IT Audit Governance and Management Practices". Chapter scheduled for publication.

CERTIFICATIONS

Certified Information Systems Auditor (CISA) ISACA, Certified in Cybersecurity by ISC2, COMPTIA Security+ (In Progress)

SKILLS

Tools: Wireshark, SIEM, Nmap, SAS Enterprise Miner, Cofense PhishMe, BMC Remedy, Audit Case studies

PROJECTS

Digital Envelope for secure Messaging - A shared key in combination with RSA keys is used to encrypt and decrypt messages carried by digital envelope between two parties thus delivering a better secure communication thus achieving more integrity.

Honeywell-based encryption using steganography - An encryption system leveraging Honeywell concept is built with purpose of misleading attackers by providing meaningful output even though incorrect passwords are used to decrypt an encrypted message. A correct password produces the correct intended message.

I possess basic knowledge through course work and bootcamps in the following areas: ISO 9001:2015, ISO/IEC 27001:2013, COBIT 2019, NIST CSF, NIST SP 800-53, CIS Controls, GDPR, SOX, HIPAA, and CCPA privacy regulations.