

# NIRMAL TONY

## Cybersecurity

I am actively seeking an opportunity in the field of cyber security where I can put my knowledge and skills to work for the organization and improve my experience through continuous learning.

### Technical Skills

- Good Knowledge of Network Concepts: OSI Model, Nat, Pat, Ports and Protocols.
- Knowledge on TCP 3-way Handshake.
- Understanding of Security Concepts such as CIA, System Hardening and Defense in Depth, and Encryption.
- Understanding of Cyber-Attacks and their mitigations.
- Basic knowledge of Security solutions such as Firewall, intrusion prevention (IPS), WAF, Web Gateway, Email Gateway, Proxy, Vulnerability Assessment Scanners and Familiar with Tenable Nessus.
- Understanding of Server: Active Directory, DNS, DHCP.
- Acquired Knowledge of SQL Technology.
- Clarity on Java Full Stack Team Architecture, Responsibilities, SLA, Priorities
- Basic knowledge on Malware alert analysis, Phishing mail analysis, Brute force alert analysis.
- Some Basic Knowledge On Threat Intelligence, Vulnerability Assessment.
- Good Knowledge about Event IDs and Log On Types.
- Familiar on Cyber Kill Chain.

### Internship Experience

#### Kerala Police Cybersecurity Internship (Dec-Jan 2024)

- Knowledge about the Zero Trust Model.
- Identified a SQL injection vulnerability access to the database of one website and promptly reported it to the organization, helping to improve their overall security posture.
- Performed port scanning and vulnerability scanning using automated tools.

#### Network Security Intern In makes Infotech (Mar 2024–Present)

- Tracking the vulnerable scripts to avert the potential threats.
- Reporting the security analysis of findings.
- Maintaining LAN, WLAN and architecture of the server as per the business policy.
- As a precautionary measure, analyze and implement new security protocols for greater efficiency against any threat or malfunctions.
- Generating and maintaining the virtual private network, firewalls, web protocols and email security decorum.
- Maintaining the regulatory systems about ISMS policy.

### Contact

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### Education

Jul 2019 - Jul 2022

#### Bachelor of Science in Digital and Cyber Forensic Science

Sree Saraswathi Thyagaraja College,  
Tamilnadu

### Achievements

- Top 3% on Tryhackme Platform
- Build Cyber Security Professional website
- Discovered and reported a security vulnerability of website

### Certificates

- FortinetNSE1&NSE2&NSE3
- Java FullStack Internship
- Kerala Police Cyber security Internship
- EC -Council Certificate:- Deep Web Anonymity
- Linux tools e-learning

### Tools & Technologies

- **JAVA**: MYSQL
- **THREAT INTELLIGENCE**: IP VOID, VIRUSTOTAL, ABUSEIPDB, URL VOID
- **VULNERABILITY SCANNER**: TENABLE NESSUS
- **EMAIL ANALYSIS**: MX TOOLBOX
- **MALWARE ANALYSIS**: ANY.RUN, VIRUS TOTAL, HYBRID ANALYSIS
- **Python**, **VAPT**, **Burpsuite**, **Bugtracking**

### Languages

- English
- Malayalam
- Tamil