

# YUKESHWARAN N

## INTEGRATED M.TECH (COMPUTER SCIENCE & ENGINEERING) CYBERSECURITY ANALYST | SECURITY OPERATIONS (SOC) & WEB APPLICATION SECURITY

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### SUMMARY

Cybersecurity-focused Integrated M.Tech (CSE) student with hands-on experience in application security, vulnerability assessment, and SOC-style scripting. Experienced in responsible vulnerability disclosure and building security automation for log analysis, IOC handling, and threat detection. Seeking an entry-level cybersecurity or SOC role to contribute to enterprise security operations in a structured team environment.

### TECHNICAL SKILLS

- **Application & Web Security:** OWASP Top 10, Vulnerability Assessment, Responsible Disclosure
- **Security Tools:** Burp Suite, Metasploit, Nmap
- **Networking:** TCP/IP, VPNs, Firewalls
- **Operating Systems:** Linux (Ubuntu, Kali), Windows, macOS
- **Cloud & DevOps:** AWS, Docker, CI/CD
- **Programming & Automation:** Python, Java, Bash, n8n

### SOFT SKILLS

- Leadership
- Problem-solving
- Collaboration & Teamwork
- Communication
- Time Management

### EDUCATION

**ERODE SENGUNTHAR ENGINEERING COLLEGE (AUTONOMOUS), ERODE** **Sep 2022 - Present**  
M.Tech CSE (Integrated) **CGPA (up to 6th sem) - 8.25/10**  
Computer Science and Engineering

**REVA UNIVERSITY, BENGALURU** **Apr 2020 - Mar 2022**  
PUC (Pre University College)  
Computer Science(PCMC) - **84.2%**

### INTERNSHIP

**Astraeus Next Gen Private Ltd. - Ethical Hacking Intern** **Feb 2025 - Apr 2025**

- Conducted web application security testing and vulnerability assessments aligned with OWASP Top 10.
- Identified and validated vulnerabilities, including SQL Injection, XSS, and CSRF, and documented findings for remediation.

**Security Researcher – Responsible Disclosure (Independent)** **Mar 2024 - Present**

- Recognized for responsible disclosure of security vulnerabilities across government, academic, and enterprise systems.

## PROJECTS

### SOC PCAP Analyzer with SOAR Automation



A SOC-style PCAP analysis tool that detects malicious network activity, maps findings to MITRE ATT&CK, and generates investigation-ready reports. Integrated SOAR-style automation using n8n to trigger Slack alerts and automatically create Jira incident tickets for high-severity detections.

### SOC Analyst Toolkit - IOC Investigation Dashboard



A comprehensive SOC analyst tool designed to accelerate IOC investigations. Automatically detects IOC types, generates safe defanged outputs, provides one-click OSINT lookups across threat-intel platforms, and features a cyber-style UI with analyst-friendly workflows. Built for speed, safety, and efficiency in security operations.

### A Passwordless Multi-Factor Authentication System Using QR Code

Developing a passwordless login system with QR code authentication, biometric verification, and secure document storage using Flutter & Flask.

### Advanced Case Management Dashboard for Thoothukudi Cyber Police



Developed an AI-powered platform that analyzes crime records to map criminal modus operandi, uncover hidden links, and generate actionable insights through pattern analysis, timelines, and predictive heatmaps.

## CERTIFICATIONS

- **Foundations of Cybersecurity**—Google
- **Certified Ethical Hacking & Cybersecurity**—NPTEL, Govt. of India;

## HONORS & PROFESSIONAL RECOGNITION

- **India Book of Records** – IBR Achiever (youngest researcher to get HOF in CERT-in and NASA)
- **Hall of Fame** - CERT-in (July 2025).
- **Appreciation letters**—NASA and the University of Oslo for responsible disclosure.
- **Disclosed critical vulnerabilities** in **NASA, NCIIPC, CERT-in, ISRO, Mercedes-Benz, Nothing (India), KSRTC, University of Oslo, WBC**, etc.
- **Winner** – KCG Xplore.AI (Xora 24-Hour National Hackathon, Sep 2025).
- **Best Innovative Idea Award** – IEEE Communications Society Hackzilla (**Sep 2025**).
- **Best Paper Award** – National-level conference, Karpagam Academy of Higher Education.

## ADDITIONAL INFORMATION

**Languages:** English, Tamil, Kannada, and Hindi.