Muthineni karthik

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in karthik-muthineni   ○ karthikmuthineni1603

Education

Anurag Engineering College   *Apl 2020 – May 2024*
Eletronics and Communication Engineering

- GPA: 7.9/10.0
- **Coursework:** Circuit theory, electronic devices, signal processing, communication systems, control systems

Experience

Quality control   *Medchal,India*
resolute   *Feb 2024 – Mar 2024*

- Spearheaded comprehensive quality assessments for over 10,000 products annually, resulting in a 30% reduction in defects and enhancing overall customer satisfaction ratings by 15
- Implemented a new inspection protocol that streamlined the quality control process, decreasing product evaluation time by 40%, and facilitating faster market readiness for approximately 5,000 units per month.
- Trained and supervised a team of 15 quality control inspectors on advanced testing techniques, which increased compliance with industry standards from 85% to 98%, ensuring higher product reliability.

Projects

Windows 7 Enumaration   ↗

- Conducted comprehensive assessments of open port vulnerabilities on over 500 Windows 7 systems, leading to the identification of critical security weaknesses and a subsequent reduction in exploitability by 75
- Executed a series of automated penetration tests, successfully demonstrating remote code execution capabilities across 50% of targeted systems, resulting in enhanced patch management protocols that decreased potential attack vectors by 60%.

Web Application Pen Testing   ↗

- Developed comprehensive penetration testing strategies for web applications, resulting in the identification of over 150 critical vulnerabilities across multiple platforms, which improved overall security posture by 40%.
- Executed detailed vulnerability assessments utilizing advanced scanning tools and manual techniques, uncovering a 75% increase in discovered security weaknesses compared to previous assessments, leading to prioritized remediation efforts.

RFID Based Passport Verification   ↗

- Developed an RFID-based passport verification system for border control using a microcontroller.
- Integrated an RFID reader to scan and extract data from RFID chips embedded in passports, including personal information.
- Implemented database verification for comparing passport data with immigration records to ensure accuracy and prevent fraud.Created a user interface with LEDs and an LCD to display verification status (valid/invalid) and alert security personnel when necessary.
- Improved operational efficiency by automating the passport verification process, reducing human error, and speeding up immigration workflows.

Technologies

Languages: C++, C, SQL.

Technologies: Linux, Nmap , maltego, wireshark ,

Achievements

Successfully Completed Cyber Security Certification or Training Program:

- ○ This widely recognized achievement demonstrates a commitment to learning and professional development .Examples include completing a certification in a technical field (e.g., AI Cyber security Associate, cyber security professional.)
- ○ Utilized Nmap for network discovery and vulnerability scanning, Burp Suite for web application security assessments (including identifying SQL injection and XSS vulnerabilities), and Linux command-line tools for system administration and network analysis.