

# ARUL N V

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## SUMMARY

- Dedicated Cybersecurity professional with a demonstrated proficiency in identifying security flaws and vulnerabilities. Recognized by industry leaders like Nokia, Mercedes Benz, and the Dutch Government for expertise in penetration testing and web security. Seeking an internship to contribute cutting-edge skills in the field of Cyber Security.

## EDUCATION

**NATIONAL ENGINEERING COLLEGE, KOVILPATTI**

**Sep 2022 - Aug 2026(expected)**

**Bachelor of Engineering in Computer Science**

- CGPA: 3.3/4

## PROJECTS

**File Integrity Monitor**

**Dec 2023**

- Executed the design and implementation of a robust PowerShell-based File Integrity Monitor, enabling users to establish baselines and promptly receive real-time alerts for alterations, additions, or deletions in designated directories, ensuring data security.
- Employed the SHA-512 hashing algorithm for precise and secure file hash calculations.

**SkyVoyage: Seamless Flight Management System**

**Sep 2022**

- Spearheaded the development of a Python project utilizing the Tequila API, facilitating the seamless retrieval of destination IATA codes and conducting price comparisons. Demonstrated proficiency in API integration for enriched data functionality.
- Innovatively integrated the Twilio API, enabling real-time SMS alerts on noteworthy price drops. Showcased effective communication functionalities and significantly enhanced user engagement.

## EXPERIENCE

**CIS AUTOMATION-Singapore**

**Jan 2022(contract basis)**

**Penetration Tester**

- Conducted comprehensive web application vulnerability assessments for clients at CIS Automation, utilizing Burp Suite to simulate attacks and successfully remediated multiple identified bugs, leading to a substantial 30% improvement in overall web application security.
- Generated detailed reports on identified vulnerabilities, showcasing proficiency in manual testing and bug identification within the realm of Information Technology.

## SKILLS

- Certifications: Certified Ethical Hacker(Infosec Institute), Google Cybersecurity Professional, AWS Fundamentals(Coursera), Networking Essentials(CISCO)
- Languages: Python, C, C++, Bash
- Technical Skills: Nmap, SSH, IPsec, Firewall, Web Security, Penetration Testing, Unix, Information Security, AWS , IAM, EC2, S3, Source Code Review, Vulnerability Management, SIEM, Wireshark, Nessus, Security Testing

## EXTRA-CURRICULAR ACTIVITIES

**NEC CYBER CLUB**

**Dec 2023**

**Vice-President(present)**

- Organized workshops and events, fostering a collaborative environment for skill development and networking within the cybersecurity community at the college.

## ACHIEVEMENTS

**Acknowledged by Nokia**

- Uncovered and disclosed a series of significant security loopholes on Nokia's web platforms, leading to enhanced cybersecurity measures and safeguarding customer data integrity.

**Secured Mercedes Benz**

- Detected and reported a high-risk security issue, resulting in the implementation of necessary safeguards to protect against potential data breaches and financial loss; mitigated risks and ensured business continuity.

**Rewarded by Dutch Government**

- Received commendation and rewards from the Dutch Government for identifying an Authentication Bypass leading to a Complete Account Takeover vulnerability on their website.