

# DANIEL ISAAC E

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## Summary

Cybersecurity student with hands-on exposure to web application security testing, vulnerability analysis, and SOC monitoring workflows. Experienced with tools including Burp Suite, Nmap, Wireshark, and ELK Stack for traffic analysis, threat detection, and security monitoring. Passionate about penetration testing, defensive security operations, and practical cybersecurity research through real-world projects and lab environments.

## Education

### BACHELOR OF TECHNOLOGY IN COMPUTER SCIENCE AND ENGINEERING (CYBERSECURITY)

- University: APJ Abdul Kalam Technological University (KTU)
- Institute: Rajadhani Institute of Engineering and Technology
- Duration: 2022-2026

## Technical Skills

- **Security Monitoring & Analysis:** ELK Stack (Kibana, Elasticsearch, Filebeat), Log analysis, Network traffic analysis, Threat detection, Wireshark.
- **Vulnerability Assessment & Web Security:** Nmap, Burp Suite, Metasploit Framework, OWASP ZAP.
- **Systems & Operating Environments:** Kali Linux, Linux, Windows.
- **Scripting & Programming:** Python, C.
- **Incident Response & Forensics:** Autopsy, FTK Imager, Basic malware analysis, HexDump.
- **Cryptography:** AES basics, Digital Signatures, Hash Functions.
- **Virtualization & Development Tools:** VMware Workstation, Oracle VirtualBox, Git, GitHub

## Certifications

- **OCSA (Offense Certified Security Analyst)** JUN 2026
- **Cisco Ethical Hacker – Cisco Networking Academy** JUN 2026
- **CyberPeace First Responders & Myth Busters** NOV 2025

## Experience

### Cybersecurity and Ethical Hacking Intern | Cryptonic Area FEB 2026 – MAR 2026

- Assisted in web application security testing and vulnerability assessment activities.
- Performed reconnaissance and security analysis using industry-standard cybersecurity tools.
- Documented findings and security observations in structured assessment reports.

### Cybersecurity Intern | Future Interns NOV 2025 – DEC 2025

- Conducted security testing on OWASP Juice Shop to identify web application vulnerabilities.
- Performed vulnerability assessment activities using tools such as Burp Suite and OWASP ZAP.
- Prepared security reports and documented findings based on testing results.

## Projects

- **Pi-Pot** APR 2026  
Developed a Raspberry Pi-based SSH honeypot using Cowrie and ELK Stack to detect, monitor, and analyze unauthorized SSH login attempts in real time. Implemented centralized logging, attack visualization, and threat pattern analysis for cybersecurity monitoring and defensive research applications.

- **Secure Image Transfer: Ownership Verification with One-Time Password and Image Obfuscation** **APR 2025**

Developed a secure image transfer system integrating One-Time Password authentication, image obfuscation, password strength checking. The project ensures safe transmission and ownership verification of digital images through multi-layered protection, including OTP-based validation and real-time password analysis for improved cybersecurity practices.

## Freelance Projects

- **Secure File Sharing System**

Developed a secure end-to-end file-sharing platform focused on confidentiality, integrity, and controlled access. Implemented encryption workflows and user authentication to ensure protected file transmission in a multi-user environment.

## Security Experience

- **Web Application Testing – OWASP Juice Shop Lab**  
Performed vulnerability testing including XSS injection and request manipulation using Burp Suite, and documented findings in a structured security report.
- **SOC Monitoring & Incident Response Simulation**  
Analyzed login anomalies, suspicious IP activity, and simulated alerts to practice incident classification and response workflows.

## Publications

### **Pi-Pot: Portable Wireless SSH Honeypot using Raspberry Pi**

Published in IJRASET (International Journal for Research in Applied Science & Engineering Technology), Volume 14, Issue IV, April 2026.

Co-authored research paper focused on Raspberry Pi-based SSH honeypot deployment, attack monitoring, and threat analysis.

## Volunteering and Leadership Initiatives

- **FINANCE LEAD | ROOT RIET** **OCT 2024 - APR 2026**  
Managed and oversaw the organization's financial activities and mentored finance team members.
- **FINANCE LEAD | CSI RIET (Computer Society of India)** **JUN 2025 - APR 2026**  
Managed and mentored finance team members ensuring they are equipped with necessary skills.

## Strengths

- Strong troubleshooting and root cause analysis approach
- Ability to analyze logs and network activity methodically
- Clear communication with both technical and non-technical users
- Quick learner, able to adapt to new tools and procedures
- Calm and systematic during issue investigation, with proper escalation and following incident handling procedures.