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github.com/Vigneshchotu

Projects

Portable Log Analyzer | JavaScript, JSON / CSV / TXT

January 2026

- Developed a portable log-analysis tool to parse, interpret and visualize log files, enabling efficient forensic and security investigations.
- Implemented automated parsing of multiple log formats to normalize data and enable streamlined analysis.
- Engineered filtering and search functionality allowing rapid isolation of specific events, keywords, time-windows and user activity across large datasets.
- Designed the tool to be lightweight, portable and easy to deploy making it suitable for SOC analysts, incident-response teams and cybersecurity interns.

AWS IAM Least Privilege Analyzer | Python, AWS IAM, Boto3

November 2025

- Developed a security analysis tool to audit AWS IAM policies and detect over-privileged access permissions.
- Implemented automated checks to identify wildcard permissions (*), excessive service access, and inactive IAM roles.
- Applied the Principle of Least Privilege (PoLP) by recommending optimized IAM policy configurations.
- Generated security audit reports to support cloud security governance and compliance requirements.

Information Security Auditor Project | ISO/IEC 27001:2022 Framework, Risk Assessment, Audit Checklist

Nov-Dec 2025

- Conducted an internal information security audit based on ISO/IEC 27001 controls and audit framework.
- Evaluated organizational policies, access controls, risk management processes, and compliance requirements.
- Identified non-conformities, security gaps, and improvement opportunities through evidence-based auditing.
- Prepared audit reports including observations, corrective action plans, and compliance status for management review.

Certifications

- | | |
|---|----------------|
| • Microsoft Azure Fundamentals (Az-900) | Since Jan 2026 |
| • CompTIA Security+ | Aug 2025 |
| • TryHackMe (Cyber Security 101) | Jun 2025 |
| • Internet of Things - NPTEL Certification | Dec 2024 |
| • Cyber-Security & Ethical Hacking - Board Infinity - BI-20240710-7868416 | Jun 2024 |

Training

Summer Training

Jun-Jul 2024

Cyber Security & Ethical Hacking (Board Infinity)

- Practical exposure to vulnerability assessment, SQL injection concepts, and network attack techniques.
- Gained hands-on exposure to web application security testing, including identifying server-side weaknesses and data access issues.
- Acquired practical knowledge of SQL injection detection and exploitation concepts to understand database security risks.
- Learned web reconnaissance and vulnerability identification techniques using industry-standard security assessment tools.

Skills

- Languages:** C++, Python
- Frameworks:** Vulnerability Penetration Testing, SIEM Tools, Security Frameworks (NIST, ISO 27001)
- Tools/Platforms:** Kali Linux, Wireshark, Splunk, Burp Suite, Nmap, OpenVAS, OWASP TOP 10, NIKTO
- Soft Skills:** Accuracy, Analytical, Problem-Solving Skills, Communication, Interpersonal Skills

Education

Lovely Professional University

Computer Science and Engineering

Since Aug 2022

Jalandhar, Punjab

Pupil Tree PU College

12th with Science

May 2020 – Jul 2022

Ballari, Karnataka