

WARNAKULASURIYA FERNANDO

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EDUCATION

Irvine Valley College

Computer Science | GPA: 4.0/4.0

Expected Graduation: March 2028

TECHNICAL SKILLS / CERTIFICATES

- **Languages:** C, C++, Python, JavaScript | **Others:** Basic Web Development(CSS, Html, JS), GitHub, Linux, SQL, Networking on AWS, SIEM tools, IDS, AWS Identity and Management | **Courses:** Secure Computing System, Data Science, Google Data Analytics Specialization, Data Structures, AWS fundamentals
- **Certificates:** Google Cybersecurity Specialization | Google Data Analytics Specialization | Generative AI Learning Path Specialization | AWS Fundamentals Specialization

PROJECTS

Beru Virus Guard

Feb 2025

- Developed a multi-threaded antivirus program that scans directories for malware signatures and quarantines infected files.
- Implemented a signature-based detection system with plans to integrate SHA256 hashing for enhanced accuracy.

Advanced Log Analyze

Feb 2025

- Built a real-time log monitoring system that detects security threats such as failed login attempts and unauthorized access.
- Implemented multi-threaded log parsing and a threat detection engine that flags suspicious activities.
- Developed a visualization module that generates security reports and alerts in real-time.

Advanced Vulnerability Scanner

Feb 2025

- Created a security scanner that detects SQL injection, XSS vulnerabilities, and open ports.
- Integrated a port scanning module to identify exposed services on a target system.
- Built a directory listing vulnerability scanner to identify misconfigured servers.

Keylogger

Mar 2025

- Designed a Python-based key logger to capture and store keystrokes for security audit purposes.
- Integrated stealth features to run the logger in the background and store logs securely.
- Included timestamping and export capabilities for forensic analysis and behavior tracking.