WARNAKULASURIYA FERNANDO

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EDUCATION   **Expected Mar 2028 - Feb 2024**

Irvine Valley College - (Currently Studying - Freshmen)   **GPA 4.0/4.0**

TECHNICAL SKILLS / RELEVANT COURSES

- **Languages:** C, C++, Python, JavaScript **| Others:** Basic Web Development(CSS, Html, JS), GitHub, Linux, SQL, Microsoft Office, SIEM tools, Intrusion Detection Systems **| Courses:** Secure Computing System, Data Science, Google Data Analytics Specialization, Data Structures, Google Cyber Security Specialization, AWS fundamentals, Google Generative AI Learning Specialization

CERTIFICATES

- Google Cybersecurity Specialization | Google Data Analytics Specialization | Generative AI Learning Path Specialization | AWS Fundamentals Specialization

PROJECTS

Simple Web Identity Federation Application   **2024 – Aug 2024**
- Allowed users from different identity providers (Google, Facebook, Amazon) to authenticate and gain access to resources using AWS services like AWS Cognito.
- Implemented identity federation to streamline authentication across multiple platforms

Serverless Reminder App with AWS   **2024 – Aug 2024**
- Designed and deployed a serverless application using AWS Lambda, API Gateway, and Amazon DynamoDB for scalable data storage.
- Integrated various AWS services to ensure seamless scaling with demand.
- Automated backend processes using serverless architecture for higher efficiency.

Advanced AWS BGP Site-To-Site VPN   **2024 – Aug 2024**
- Configured advanced network routing using Border Gateway Protocol (BGP) to facilitate dynamic routing in VPN connections.
- Established secure site-to-site VPN connections using AWS, ensuring secure communication between different networks.

Implemented DynamoDB Triggers using Streams and Lambda   **2024 – July 2024**
- Utilized AWS DynamoDB Streams to trigger AWS Lambda functions based on real-time database changes.
- Developed event-driven architectures for efficient and immediate processing of data changes in applications.

Build an Event-Driven Media Conversion Pipeline   **2024 – July 2024**
- Designed and implemented an event-driven media conversion pipeline using AWS services such as S3, AWS Lambda, and AWS MediaConvert.
- Automated the conversion of media formats, processing large volumes of data with AWS services.
- Integrated AWS services to handle real-time data processing for scalable media conversion tasks.