

Amod Sachintha

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“Amod Paya”, Thalgasyaya, Akmeemana, Galle, Sri Lanka (80090)

EDUCATION

Sri Lanka Institute of Information Technology

BSc. (Hons) in Information Technology – specialization: Cyber Security Engineering

First Class Honors – Graduation: February 2020

Malabe, Sri Lanka

WGPA: 3.73/4.0

Richmond College

GCE Advanced Level – Bio Science Stream: Z-Score: 1.2699

Galle, Sri Lanka

Siridhamma College

GCE Ordinary Level – 9A Passes

Galle, Sri Lanka

SKILLS

- **Languages:** JavaScript, PHP, Java, Python, C++, C (limited)
- **Frameworks/Libraries/Runtimes:** NodeJS, React, Express JS, Socket.io, Laravel, Spring Boot
- **Tools / Services:** Redis, MySQL, MongoDB, Docker, Vagrant, Arduino, AWS – EC2, SNS, S3, RDS, SES, Rekognition
- **Operating Systems:** Debian Linux (Ubuntu), Windows, MacOS

EXPERIENCE

SyscoLABS Pvt. Ltd

Engineer (Cloud Services)

Colombo, Sri Lanka

January 2020 – Present

- Managing AWS Cloud Infrastructure for the Sysco Corporation.
- Automating tasks in the cloud based environment for provisioning infrastructure.
- Troubleshooting application specific errors and exceptions.

HackedON Pvt. Ltd. (hackedon.com)

Co-founder and Security Researcher

Colombo, Sri Lanka

- Sri Lanka's first vulnerability coordination and bug bounty platform.
- Current registered Security Researchers – 131

PricewaterhouseCoopers

Cyber Security Specialist (Intern)

Colombo, Sri Lanka

January 2019 – July 2019

- Penetration Testing of Web Applications and Web APIs of major banks and financial institutions in Sri Lanka.
- Reverse Engineering Mobile Banking Applications (Android)
- Carrying out Vulnerability Assessments.

KBSL Technologies Pvt. Ltd.

Associate Systems Engineer

Colombo, Sri Lanka

October 2017 – April 2018

- Systems Configuration (Fedora/Ubuntu Server).
- Writing automation scripts (mainly in python) to push configurations to multiple remote Cisco routers/switches.
- Developed a public Internet Access Management system utilizing Cisco Meraki Cloud Controller Web API for two major banks in Sri Lanka.

PROJECTS

VAULT – a Shared, Distributed and Redundant Storage Solution

(SLIIT 4th year Research Project)

- Uses the NodeJS runtime. File metadata stored in a custom blockchain designed for the sole purpose of a distributed database.
- Uses socket.io, realm-js, crypto-js, brain-js, express, axios, React etc.
- Files which are uploaded are compressed, symmetrically encrypted and stored within a network of nodes running Vault.
- Node selection is achieved via a probabilistic model based on multiple metrics. (uptime, free space, link bandwidth, SMART metrics etc.)

iMS – Inventory Management System

(SLIIT 2nd year 1st Semester)

- Java Desktop Application using FXML views with iReports configured for reporting.

Implemented OAuth 2.0 Authorization Flow

(SLIIT 3rd year 1st Semester)

- Utilizes Facebook as the Authorization and Resource Endpoints

Kt000 – Kick the Odd One Out!

(SLIIT 2nd year 1st Semester)

- Real-time shape/color recognition device built on top of two ATmega 328 controllers.
- Detects color, size (dimensions) using an array of IR sensors, (literally) kicks the odd object off the conveyer.

PROFESSIONAL QUALIFICATIONS

AWS Technical Professional ([2019](#))

AWS Business Professional ([2019](#))

ADDITIONAL EXPERIENCE AND ACHIEVEMENTS

- Elected as the **President** for the Cyber Security Community of SLIIT (CS)² (2019–2020)
- Member of **NVIDIA GameWorks** Organization on GitHub as a contributor to the GeForce Now client SDK.
- Elected as the **Vice President** for the Cyber Security Community of SLIIT (CS)² (2019)
- **Dean's List** Awardee 2016, 2018 and 2019
- Was part of a 3-man team that developed a device for visually impaired children as a novel way of learning Mathematics that used a custom 3D printed model containing a sensory array connected via an Arduino Mega MC to a speech synthesizing Android Application via Bluetooth.

REFERENCES

Mr. Amila Nuwan Senarathne, Senior Lecturer, Sri Lanka Institute of Information Technology

- Mobile: +9471-813-0732
- Email: amila.n@slit.lk

Mr. Dumidu Senanayake, Threat Manager, Pearson Lanka Pvt. Ltd.

- Mobile: +9471-644-1951
- Email: dumindu.senanayake@pearson.com

I hereby certify and declare, the details furnished above are true and correct to the best of my knowledge.

Amod Sachintha

Thursday, January 16, 2020