

# SHAKYA RATHNAWEERA

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No.274/A, Ranwala, Kegalle



## EDUCATION

### BSc Eng (Hons) in Electronics & Telecommunication Engineering

University of Moratuwa

08/2017 - Ongoing

CGPA

3.67 / 4.2  
(Up to 7th Semester)

### G.C.E Advanced Level

St. Mary's College, Kegalle

2014 - 2016

- 3A's - Maths stream
- Z-Score : 2.1803
- Island Rank : 282

## EXPERIENCE

### Engineer - Cooperate Development and Cyber Security Division

MillenniumIT ESP (PVT) Ltd

05/2022 - Ongoing

Colombo 7, Sri Lanka

Currently, working on a Prisma Cloud Enterprise Solution implementation project for a leading company in Sri Lanka.

- Technologies** - Kubernetes, Docker, CICD

### Engineering Intern

MillenniumIT ESP (Pvt) Ltd

10/2020 - 04/2021

Colombo 7, Sri Lanka

Worked as an Information Security engineer at Cooperate Development & Cybersecurity Division of MIT ESP for a six-month time period.

- Technologies** - Linux, Firewalls, Cloud proxy, Virtualization

## PROJECT EXPERIENCE

### IOT Enabled Intelligent Water Measuring System for Commercial-Grade Water Meter - Final Year Project (Group)

09/2021 - 04/2022

Through this project, developed a water meter which is capable of taking accurate water measuring readings and communicating with the cloud using NBIoT while providing low power consumption.

- Technologies** - C, UDP, NBIoT, Firebase, Node-RED

### DirectMe (Group)

06/2021 - 07/2021

IOT based direction and navigation system to obtain route metadata of a journey (distance, time estimate) using Google API.

- Technologies** - NodeRed, MQTT Broker, Firebase, REST API, Google API
- Hardware device** - NodeMCU

### IOT based Gas Leakage Detector (Group)

12/2019 - 02/2020

IOT based LP gas meter. Core functionalities are to visualize the gas levels using weight of the gas cylinder, to detect leakages using sensors and notify the user through the mobile app when gas is running out. Dashboard was developed to display the information about gas cylinder using Node-RED.

- Technologies** - MQTT, Node-RED
- Hardware** - NodeMCU, weight sensor

## PROFILE

"A vibrant and innovative individual who works hard to achieve goals and a highly motivated individual with spirit of team work. One, who is willing to apply the knowledge and seek for the challenges to being a valuable asset to the industry"

## FIND ME ONLINE



### Website

https://www.rathnaweera.com



### LinkedIn

https://www.linkedin.com/in/shakyarathnaweera/



### GitHub

www.github.com/ShakyaPr

## TECHNICAL SKILLS

### Languages

Python

Java

### Web Development

HTML

CSS

### Database

MySQL

### DevOps

Docker

Kubernetes

Git

Nginx

Jenkins

### OS

Windows

Linux

### Tools

Matlab

VS code

Node-RED

Packet Tracer

VMware

### Designing

Altium

AutoCad

Solidworks

## PROJECT EXPERIENCE

### Internspaths (Group)

📅 01/2020

Web application to facilitate undergraduates to apply for internship opportunities of companies. Companies can create accounts and post their internship opportunities and students can apply for the available internships.

- **Technologies** - HTML, PHP, CSS, JavaScript, MySQL
- **Tools** - Git

🔗 <https://github.com/ShakyaPr/internguide>

### Matrix Multiplication Processor Design (Group)

📅 02/2020 - 05/2021

Designed an application-specific multicore processor for matrix multiplication. Instructions, micro-instructions, ISA for matrix multiplication and designed the processor using Verilog and simulated it using Modelsim.

### Equalizer (group)

📅 12/2019 - 02/2020

Here, an input signal was sent through LPF, HPF, BPF and then the outputs were added with different weights using OpAmp summer. Then this output was fed to power amplifier which was used to drive 10W speaker.

## COURSES & CERTIFICATIONS

### Linux Administration & DevOps Engineering

training by WSO2

### Devnet Associate

course on cisco Netacad - [credentials](#)

### Cisco Certified Network Association ( CCNA 200-301 )

#CSCO13718598 - [credentials](#)

### Introduction to Cyber Security

course on Cisco Netacad - [credentials](#)

### Convolutional Neural Network

by deeplearning.ai, on Coursera - [credentials](#)

## EXTRA CURRICULAR

### Department Representative

📅 05/2021 - Ongoing  
of ENTIC department

### Former Director

📅 04/2019 - 04/2020  
of LEO club of University of Moratuwa

### Prefect

📅 2012 - 2014  
of prefect board of St.Mary's College, Kegalle

### Secretary

📅 08/2015 - 07/2016  
of Science Society of St.Mary's College, Kegalle

## ACHIEVEMENTS



### Deanlist

Selected to dean list by first, fourth, sixth and seventh semester exam results.



### DataStorm - Finalist

A machine learning competition organised by OCTAVE on March, 2020

**Task:** Machine learning based solution for a given real-world problem

## STRENGTHS



### Problem Solving

Participating Hackathons, programming assignments.



### Quick Learning

- \* Putting what I learnt in to practice
- \* Working on the projects of different domains with different tools and technologies.



### Self Initiated

Think innovatively about the problem that I see.



### Time Management

Parallel completion of multiple tasks to achieve the final goal.



### Team Work

- \*Identifying individual strengths and skills and divide work among the team to achieve the final goal.
- \* Internship and University projects

## REFEREES

### Suboda Charles, PhD

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