

SHAKYA RATHNAWEERA

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No.274/A, Ranwala, Kegalle



EDUCATION

BSc Eng (Hons) in Electronics & Telecommunication Engineering

University of Moratuwa

08/2017 - 05/2022

CGPA
3.71 / 4.2

G.C.E Advanced Level

St. Mary's College, Kegalle

2014 - 2016

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

EXPERIENCE

Software Engineer

Axiata Digital Labs

09/2022 - Ongoing Colombo 7, Sri Lanka

Currently, working on Nextgen API manager development research & development project

- Technologies & tools - Java, C++, WSO2 apim**

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**

Library Management System (Individual)

03/2022 - 04/2022 Location

<https://github.com/ShakyaPr/LibraryManagementSystem>

This was done as a freelancing project on behalf of a foreign client. Designed and developed both user interface (frontend) and backend. Registering new users and books, withdraw books, return and can view different statistics using this system.

- Technologies - Java, MySQL**
- Tools - NetBeans**

CICD pipeline (Individual)

05/2022 - 06/2022 Location

Here, created a CI/CD pipeline to run a java application. Using this setup, I was able to create a fully automated process to deploy the latest application on the Kubernetes cluster when the changes are done to the code. Ansible playbooks were used to update the images according to changes and to create new pods on cluster.

- Technologies - Docker, Kubernetes, Jenkins, Ansible, Git, Dockerhub**

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

Java

Python

C++

Database

MySQL

Firebase

DevOps

Docker

Kubernetes

Git

Nginx

Jenkins

OS

Linux

Windows

Web Development

HTML

CSS

JavaScript

Tools

Matlab

VS code

Node-RED

Packet Tracer

VMware

Solidworks

Altium

Postman

PROJECT EXPERIENCE

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

Internspaths (Group)

📅 01/2020

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

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, VScode

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

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

COURSES & CERTIFICATIONS

Java course

on sololearn - [credentials](#)

Linux Administration & DevOps Engineering

training by WSO2 Inc.

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](#)

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.



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

EXTRA CURRICULAR

Department Representative

📅 05/2021 - Ongoing
of ENTC 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

REFEREES

P.G. Jayasekara, PhD

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Faculty of Engineering, University of Moratuwa

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