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
(Upto 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

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

GitHub
www.github.com/ShakyaPr

TECHNICAL SKILLS

Languages

Python | Java

DevOps

Docker | Kubernetes | Git | Nginx
Jenkins

OS

Windows | LInux

Tools

Matlab | VS code | Node-RED
Packet Tracer | VMware

Designing

Altium | AutoCad | Solidworks

ACHIEVEMENTS

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

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 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

ACHIEVEMENTS

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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