



# Gihan Kaushal Weerappullige

**Nationality:** Sri Lankan **Date of birth:** 16/10/1994 **Phone number:** (+49) 176 67300167

**Email address:** [gihaankaushal@gmail.com](mailto:gihaankaushal@gmail.com) **Whatsapp Messenger:** +94702337445

**LinkedIn:** <https://www.linkedin.com/in/gihan-kaushal/>

**Home:** Zim 0.15, Kurfürstenstrasse 5-7, 36037 Fulda (Germany)

## WORK EXPERIENCE

### Software Engineer

**Wavenet International (Pvt) Ltd** [ 01/2021 – 04/2023 ]

City: Colombo

Country: Sri Lanka

- Assist in core developments in a Subscription Content Management system, which allows service providers to manage various value-added services and allows users to access them via their mobile phones
- Assist in developing and maintaining of Voice Mail System, which facilitates users to send, receive, record and store voice mails.
- Worked with cloud-related services to deploy, manage, and scale applications across multiple cloud providers such as Azure and GCP, as well as to automate software deployments and configuration.
- Technologies | Erlang, PostgreSQL, MySQL, Docker, Kubernetes, Helm, Azure, GCP, Jenkins.

### Software Engineer

**Dream Delight (Pvt) Ltd** [ 03/2020 – 12/2020 ]

City: Colombo

Country: Sri Lanka

- Assist in the development of an E-Commerce Mobile application which provides users to buy goods from the supermarket via mobile phone
- Worked in the development of a student registration platform
- Technologies | Django, Flutter, Bootstrap, JavaScript, HTML, CSS

### Trainee Electrical Engineer

**Electro Metal Pressing (Pvt) Ltd** [ 09/2018 – 12/2018 ]

City: Homagama

Country: Sri Lanka

- Experience in electrical panel board designing and manufacturing, testing and commissioning, industrial automation solutions. Gained experience in quality assurance, project management, labour handling, and risk management
- Designed and implemented a communication module for an automation project

### Trainee Electrical Engineer

**Lanka Electricity Company (Pvt) Ltd (Distribution Utility in Sri Lanka)** [ 07/2018 – 09/2018 ]

City: Colombo

Country: Sri Lanka

- Familiarized with design, operational, and maintenance aspects of electricity distribution including distribution planning, billing and disconnection process, rehabilitation, breakdown maintenance, and customer services
- Coded an algorithm to carry out load flow analysis for small distribution feeders to identify the voltage levels at each sub-feeders

## EDUCATION AND TRAINING

---

### **MSc in Global Software Development**

**Fulda University of Applied Sciences** [ 04/2023 – Current ]

Address: Hochschule Fulda University of Applied Sciences Leipziger Straße 123, 36037 Fulda (Germany)

Website: <https://www.hs-fulda.de/>

### **Honors Degree of Bachelor of the Science of Engineering**

**University of Moratuwa** [ 11/2015 – 01/2020 ]

Address: University of Moratuwa Katubedda, 10400 Moratuwa (Sri Lanka)

Website: <https://uom.lk/>

Field(s) of study: Electrical Engineering

Final grade: Second Class Upper (3.37/4.2)

Thesis: Decentralized storages of PV generated electricity to serve the peak and its power

## RESEARCH AND PROJECT EXPERIENCE

---

### **Decentralized storages of PV generated electricity to serve the peak and its power (Research Project)**

[ 2019 ]

- As a solution for the current high peak demand at the night in the country, PV generated solar storage system is designed to store energy in the daytime and release stored energy to the distribution network in a controlled manner when the night peak arises.
- Designed, simulated the system including a grid-tied inverter
- Implemented software algorithms and hardware with which expected power controllability could be achieved while the system was tied to the grid
- Technologies | MATLAB, Power Electronics

### **Battle Robot**

- A bluetooth controlled battle robot was designed for the EXMO Battlebot competition organized by University of Moratuwa.
- Designed the hardware and enclosure of the robot to survive in battle conditions
- Technologies | Arduino, Bluetooth

### **RPM Meter Using Inductive Transducers**

- Designed and implemented a speed sensor for industrial applications to measure the speed of rotary parts
- Designed the hardware layout and enclosure of the product
- Implemented software algorithms to provide the speed value
- Technologies | Arduino

### **Smart Robot Doll**

- A self-navigating robot with obstacles avoiding ability and head/hand gestures
- Implemented software algorithms to avoid obstacles and speed controlling
- Technologies | Arduino

## SKILLS

---

### **Technical Skills**

- Erlang, Python, JavaScript, Kubernetes, Docker, Helm, Azure, GCP, Jenkins, SQL, Django, Bootstrap, HTML/CSS, Git, Bitbucket, Jira

## Language Skills

- Sinhala - Native
- English - IELTS 6.5

## Extracurricular

- Guitar Player of Classical Music Society of University of Moratuwa
- Team Member of AIESEC Colombo South (2017-2019)
- Electrical Engineering Society representative of University of Moratuwa
- Member of IEEE student chapter

## REFERENCES

---

### Prof. J.P. Karunadasa

PhD (Manch), MSc (Manch), BSc Eng (Moratuwa), CEng, MIE (Sri Lanka), MIEEE Associate Professor  
Department of Electrical Engineering  
Faculty of Engineering  
University of Moratuwa  
E-mail: karunadasaj@uom.lk

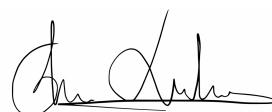
### Dr. R. Samarasinghe

PhD (RMIT University), BSc Eng (Moratuwa), SMIEEE, MIESL Senior Lecturer  
Department of Electrical Engineering  
Faculty of Engineering  
University of Moratuwa  
E-mail: rasaras@uom.lk

---

*I hereby give my consent that the above details are true to the best of my knowledge and belief.*

17/04/2023



Gihan Kaushal  
Weerappullige