



# WATHSALA VISHWAJITH

📞 +94 76 729 7584 📞 +94 71 561 3883 ✉ [vishwajithkkw@gmail.com](mailto:vishwajithkkw@gmail.com)  
📱 [wathsala-vishwajith](#) 🌐 [wathsala-vishwajith](#)  
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⚙ Off-Grid Enthusiast

## ABOUT

I have experience with many aspects of software engineering, but back-end development is my one true love. I convert my weaknesses into productivity, the same way laziness drives me to make a task as easy as possible, utilizing the power of a language.

I am a man of many interests, securing web applications - or breaking them - for fun, while being a time-travel-fiction nerd (who doesn't want to turn back time right?)

## EDUCATION

### BSc (Hons) | *Computer Science*

Mar. 2019 – May. 2024

University of Colombo School of Computing

GPA: 3.68

Col. 7, Sri Lanka

- **Research:** *Consensus Based Cooperative Localization on Untrusted Devices* - Blockchain, Bluetooth and Nearby Communication technologies, Distributed Systems, Localization, Proof-of-Location, Proof-of-Delivery.

### Advanced Level | *Physical Science*

Mar. 2009 – Aug. 2017

Royal College

Col.7, Sri Lanka

- Air-Force Cadet. Participated in Hermann Loos Championship preliminary selections at Diyathalawa.
- Senior Member at ICT Society. Participated in various inter-school ICT competitions.

## WORK EXPERIENCE

### Intern Information Security Engineer/Cyber Security Analyst

Nov 2022 – Present

[BugZero.io](https://bugzero.io/)

<https://bugzero.io/>

- Knowledge Sharing Session on MITRE ATT&CK Framework, Organized and presented in awareness sessions about cyber-security and bug hunting for undergraduates and high-school students.
- Tested the security of in-house applications by deploying them on Google Cloud Platform.
- Assisted in creating datasets for Large Language Models (LLM) for analyzing threat reports.

## PROJECTS

### qr-file-exfil | : *React, QR Code Spec.*

2023

Personal Project

- Method of ex-filtrating data over a restricted device.

- Tries to keep minimum auditable logs and forensic traces.

### **CryptoZombies** | : *Solidarity*

2023

Personal Project

- Following along the course of CryptoZombies

### **HackerNews** | : *React, Algolia REST Api*

2023

Personal Project

- Clean interface for browsing the HackerNews
- Uses Algolia API to fetch the latest stories and comments.

### **miCar** | : *React, React-Native, Firebase, Google Maps API*

2022

UCSC

- A application for all of your vehicle needs. Gathers data in the palm of your hand. Sends reminders for important dates.

### **Grocery Galleria** | : *MVC, REST, PWA, Google Maps API*

2021

UCSC

- Developed a PHP application from scratch using MVC architecture. Grocery Galleria is an e-commerce platform for small/mid-scale entrepreneurs to have online exposure. The idea was to give the customers the same experience that they have when they are shopping traditionally. Customers can see the selected shops from their region, order from multiple shops, and deliver those orders by a single rider.

## CLUBS AND SOCIETIES

### **President** | : *From being a member as a fresh undergrad*

Jun 2020 - Present

Ongoing Projects:

ISACA Student Group of UCSC

- Introductory Capture-the-flag competition for fresh undergraduates ( held Dec. 23th, 2023 )
- Monthly meetups for sharing knowledge in Security and related topics. (Ongoing)
- Inter-University CTF Competition, one of the biggest CTF competitions in Srilanka (Work In Progress)
- Founded the University CTF team for international and local competitions. They have successfully participated in the HacktheBox University CTF twice and have great potential to win future ones.

## CERTIFICATIONS

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- **IBM edX Verified Blockchain Essentials Professional Certification**
- **WSO2 Linux Systems Administration and DevOps Engineering Training Program by WSO2** : Six month program on Linux System administration and DevOps. Got hands-on experience with Linux in a cloud environment and using deployment methods such as automated deployment using Ansible and Terraform.
- **Introduction to Quantum Computing Course 2020/2021** : Year long program on foundational understanding of quantum computing, including basic linear algebra, quantum mechanics, quantum computation and information, and quantum algorithms. Each week students participate in three activities: a 1.5 hour lecture, a 1-hour lab with a Teaching Assistant, and a homework assignment.
- **WSO2 WSO2 Certified Identity Server Practitioner - V5 Certification**
- **WSO2 WSO2 Certified API Manager Practitioner - V4 Certification**
- **IBM edX Verified Blockchain Essentials Professional Certification**
- **Microsoft Microsoft Certified: Azure Data Fundamentals Certification**
- **Microsoft Microsoft Certified: Azure Fundamentals Certification**
- **FreeCodeCamp Responsive Web Design Certification**
- **Coursera Cloud Architecture with Google Cloud Specialization Certification**
- **Coursera Networking in Google Cloud Specialization Certification**
- **Coursera Security in Google Cloud Platform Specialization Certification**

## SKILLS

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**Languages:** English (Fluent), Sinhala (Native)

**Technical:** Javascript, React, Python, PHP, MySQL, Git

**Application Security:** MITRE Attack, BurpSuite, OWASP Top 10, Nmap, Postman, Documentation

**Cloud:** GCP, Azure

## REFERENCES

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### Ref. 1

Dr. Asanka Sayakkara

Senior Lecturer at UCSC [asa@ucsc.cmb.ac.lk](mailto:asa@ucsc.cmb.ac.lk)

UCSC

### Ref. 2

Dinendra Bandara Karunarathne

Senior Software Engineer at LSEG [dinendradb@gmail.com](mailto:dinendradb@gmail.com)

LSEG