

# THANURA RUKSHAN

ENGINEERING UNDERGRADUATE | CLOUD ENTHUSIAST | AWS TRAINED

[thanuraruksan2000@gmail.com](mailto:thanuraruksan2000@gmail.com) | [thanura.site](http://thanura.site) | +94779371866

linkedIn: [linkedin.com/in/thanuraruksan/](https://www.linkedin.com/in/thanuraruksan/) | github: [github.com/thanuraruksan](https://github.com/thanuraruksan)

## EDUCATION

B.Sc. (Hons) Eng. in Information and  
Communication Engineering

2022 – 2026

SLTC Research University

GCE Advanced Level, 2019

Physical Science Stream

2006 – 2019

Mahinda College Galle

## SKILL SET

### Languages

Python, JavaScript (JS), Java, TypeScript  
(TS), R

### Cloud and DevOps

Linux, Docker, Docker Compose,  
Kubernetes, Ansible, OpenShift, CI,  
CD, AWS, GitHub Actions, Tekton,  
Prometheus, Alert Manager, Grafana

**Databases** MySQL, MongoDB, Redis

### Software Engineering

Agile, OOP (Object Oriented  
Programming), Shell/Bash Scripting,  
Scrum, Git, Linux, Data Structures and  
Algorithms

### Machine Learning

Python (NumPy, Pandas), TensorFlow,  
Data visualization

### Networking

Networking Fundamentals, Network  
Security, TCP/IP, DNS, VPC, Security  
Groups, Load Balancing, SSH

### Web - Frontend

HTML, CSS, React JS, Next JS, UI/UX  
(Figma)

**Mobile App** React Native

**Backend** Node JS, Express JS

## CERTIFICATIONS

AWS Academy – Cloud Foundations

AWS

## ABOUT ME

Smart-working Engineering undergraduate with a strong IT background. Highly adaptable and self-motivated, eager to leverage technical skills and gain practical knowledge through a challenging opportunity.

## EXPERIENCE

**Trainee DevOps Engineer** | July 2024 – Jan 2025

*hSenid Mobile Solutions* [\[Service Letter\]](#)

- Wrote Ansible Scripts to automate tasks (Disk Partitioning, Fresh OS Setup), Testing and debugging pre-written ansible scripts (MySQL, mongo DB binary installation).
- Security Hardening on Apache server (CIS | Apache 2.4), applied security patches on configuration files and change the user privileges, permissions to achieve the proposed hardening level.
- Experience with clustered systems (PCS Clusters), worked with a web servers hosted on a clustered system.
- API Endpoint testing (Postman, curl, wiremock)
- System Monitoring, Setup Monitoring tasks to trigger with the module availability, send snmp alerts (Grafana, Prometheus, snmp\_notifier, alert\_manager, node\_exporter)
- Shell Scripting, wrote shell scripts to automate tasks (backup creation, file comparison), worked with complex shell-based framework which using within the organization, written for file housekeeping, log rolling, monitoring.
- Working in Agile environment, daily standups, SDLC
- Experience in Git environments, Linux filesystems/tools, networking concepts/diagrams, network hardening methodologies, OS hardening methodologies.

**Freelance Developer and Designer** | 2019 - Present

*Outsourced Projects*

*Fiverr and Upwork*

<https://unihelperlk.web.app/>

**SLTC SOC 2.0** | 2023 - 2023

*SLTC Research University*

## PROJECTS

### Linux RHEL Server Setup

*Ansible, Linux, Network Configuration, System Tuning, Server Partitioning an automated approach to configuring, managing, and monitoring network and system settings on multiple Linux servers.*

*Docs.: [https://thanuraruksan.github.io/Linux\\_RHEL\\_Server\\_Setup/](https://thanuraruksan.github.io/Linux_RHEL_Server_Setup/)*

*GitHub: [https://github.com/thanuraruksan/Linux\\_RHEL\\_Server\\_Setup](https://github.com/thanuraruksan/Linux_RHEL_Server_Setup)*

## [Introduction to Containers, Docker, Kubernetes and OpenShift](#)

Coursera

## [Continuous Integration and Continuous Delivery \(CI/CD\)](#)

Coursera

## [Containers and Kubernetes Essentials](#)

Coursera

## [Linux for Developers](#)

Coursera

## [Cloud Computing Foundations](#)

Great Learning

## [Cloud Foundations - Advanced](#)

Great Learning

## [AWS for Beginners](#)

Great Learning

## [Data Structures and Algorithms in Java for Intermediate Level](#)

Great Learning

## [Introduction to Agile Development and Scrum](#)

Coursera

## [Networks and Network Security](#)

Coursera

## AWARDS AND HONORS

### NASA Space Apps 2024

SEDS Sri Lanka

Got 4 awards for our project:

[Global Community](#), [Most Inspirational](#), [Local Impact](#), [Art & Technology](#)

### [ACES Coders v11.0 Hackathon 2024](#)

Association of Computer Engineering Students – UOP

16<sup>th</sup> place over 100 teams

### [Cypher Hackathon 2023](#)

Kotelawala Defense University

Our team won 5<sup>th</sup> place

### [Manthra Hackathon 2023](#)

NSBM Green University

Place among top 10 teams

### [ACES Coders v10.0 Hackathon 2023](#)

Association of Computer Engineering Students – UOP

### [Duothan 3.0 - Web Development 2023](#)

IEEE Student Branch of NSBM

built a solution for a given real world problem, placed among top 10 teams

### [ACES Coders v9.0 Hackathon 2022](#)

Association of Computer Engineering Students – UOP

### [Codemania v3.0 Hackathon 2022](#)

SLTC Research University

Our team won 8<sup>th</sup> place

## Diff-Pro (A tool to Advanced File Comparison)

Shell Scripting, Linux

a Linux-based tool created by me for advanced file comparison.

GitHub: <https://github.com/thanuraruksan/diff-PRO>

## DocRecords (Multiple Deployments)

Microservices Architecture, ReactJS, NodeJS, ExpressJS, Docker, Docker Compose, K3s

a microservices based application with multiple deployments.

GitHub: [Kubernetes deployment](#), [Docker Compose Deployment](#), [Local Deployment](#)

## Property Selling web app

React JS, JavaScript, HTML, CSS, MySQL, JSON

used react hooks, used single json file to fetch data, drag and drop, advanced search. Completed within two days

GitHub: <https://github.com/thanuraruksan/property-selling-web-app-static>

## Portfolio with CD Pipeline

React JS, JavaScript, Git, GitHub Actions

GitHub hosted, easily manageable portfolio with CD pipeline to auto deploy the changes.

GitHub: <https://github.com/thanuraruksan/React-Portfolio-V2.0>

## VOLUNTEERING AND ORGANIZATIONS

### SEDS SLTC

Satellite and IT Divisional Manager

Jan. 2024 – Jan 2025

### IEEE Young Professionals - Innovation Nation Sri Lanka 2024

Coordinator

Jan. 2024 – Present

### IEEE Young Professionals - Innovation Nation Sri Lanka 2023

Design Team Lead (Colombo South)

July 2023 – Jan. 2024

### IEEE Sri Lanka Section Student Summit and IEEE Jambor 2023

Organizing Committee

2024

### IEEE Student Branch of SLTC - Public Visibility Sub Committee Head

June 2023 – June 2024

### IEEE Student Branch - Member

June 2022 – Present

### Leo Club of SLTC Director – Research and Development

2023 - 2024

### Leo Club of SLTC - Member

2022 – Present

### SLTC Media Unit - Graphic Designer

2022 – 2023