

THANURA RUKSHAN

ENGINEERING UNDERGRADUATE | CLOUD ENTHUSIAST | AWS TRAINED

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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/

GitHub: 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

16th place over 100 teams

Cypher Hackathon 2023

Kotelawala Defense University

Our team won 5th 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 8th 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/thanurarakshan/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/thanurarakshan/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/thanurarakshan/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