

CONTACTS

-  Colombo, Sri Lanka
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PROFESSIONAL SUMMARY

DevOps Engineer in Linux server management, CI/CD pipeline automation, and cloud deployments. Proficient in designing and maintaining Jenkins pipelines, containerizing applications with Docker, and orchestrating deployments on Kubernetes. Experienced in provisioning and managing AWS (EC2, EKS, VPC, SQS, SNS, RDS, S3) infrastructure, automating server setup and configuration, and monitoring production systems to ensure high availability, reliability, and performance. Proven ability to streamline deployment processes, reduce downtime, and improve overall system efficiency.

SKILLS

- Jenkins: Advanced
- Docker: Intermediate
- Kubernetes: Intermediate
- Ansible: Intermediate
- CI-CD: Intermediate
- Bash Script: Advanced
- AWS: Intermediate
- Linux & Server Management: Intermediate
- Kibana: Beginner
- Blockchain: Intermediate

SOFT SKILLS

- Team Work
- Leadership
- Problem Solving
- Logically thinking

Samitha Agrapala

DevOps Engineer

WORK EXPERIENCE

Oct 2025 — Present

DevOps Engineer - Internship, Senzmate IOT Intelligent | Colombo, Sri Lanka

- Designed and maintained Jenkins CI/CD pipelines for frontend and backend applications.
- Containerized applications with Docker and deployed to Kubernetes clusters
- Automated server provisioning and configuration using Ansible and Nginx.
- Managed Linux servers, performing updates, monitoring, and troubleshooting production issues
- Implemented monitoring with kibana, improving uptime and reducing incident response time

— Present

Student Volunteer Researcher , UOJ

- Computer Vision-Based Footfall Analyzer - Designed and implemented a real-time vision system to monitor visitor count, predict age categories, and determine gender, aimed at enhancing crowd management and personalized marketing in environments such as malls, retail spaces, and public events.
- Exploring and implementing robust privacy mechanism for healthcare data in telemedicine system - Developed a Blockchain-enabled Federated Learning architecture to protect patient data in telemedicine systems. Promoting data privacy, compliance with healthcare regulations, and consistent model accuracy for real-world clinical use.
- Cloud-Native Course Platform - Built a scalable, event-driven course registration system on AWS EKS with Docker services, Redis caching, and asynchronous processing via SQS/SNS for real-time admin notifications. Integrated S3 for images, RDS for data, and centralized monitoring with CloudWatch.

EDUCATION

Apr 2022 - Present

BSc in Eng. (Hons), UOJ, Sri Lanka | Sri Lanka

CERTIFICATION & COURSES

Introduction to Information Technology and AWS Cloud, Coursera

Introduction to Programming Using Python beginner , UOM

AWS Cloud Technical Essentials, coursera

KodeKloud Engineer - Docker | K8s | Ansible, KodeKloud

Linux Command Line Arsenal, Udemy

Getting Started with Git and GitHub, IBM

LANGUAGES

English - Native
Sinhala - Native
Tamil - Basic

LINKS

[LinkedIn](#)

[GitHub](#)

[KodeKloud](#)

REFERENCES

- **Dr. T. Mukunthan, UOJ, Srilanka**
mukunthan@eng.jfn.ac.lk
- **Brunthavan Murugaiah, Senzmate IOT Intelligence**
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