



# SHASHMITHA BANDARA

SOFTWARE ENGINEER **UNDERGRADUATE |  
DEVOPS & CLOUD**

Dedicated Software Engineering Undergraduate with a strong focus on DevOps. Seeking to leverage my skills in teamwork, communication, organizational, and interpersonal abilities to contribute meaningfully to the workplace. Pursuing a Bachelor's degree in Software Engineering. Skilled at web development, DevOps, and effective team collaboration. A passionate and motivated worker aiming to become a valuable asset to the team.

## CONTACT

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- Maspotha , Kurunegala
- [Shashmitha Bandara/Linkedin](#)
- [Shashmitha Bandara/Github](#)
- [Shashmitha Bandara/Medium](#)
- [Shashmitha devops](#)

## TECHNICAL SKILLS

### FRAMEWORKS & TECHNOLOGIES

- Docker
- AWS
- Github Actions
- Terraform
- Jenkins
- Tailwind CSS
- Linux CMD
- Git & Github
- React Js
- Springboot
- MySQL

## WORK EXPERIENCE

- Intern - Software Engineer** 2024 OCTOBER - 2025 APRIL  
Ceyentra Technologies  
Gained hands-on experience in frontend development using React.js, Redux, and JavaScript, contributing to real-world projects by implementing UI features, theme customization, and API integrations within an Agile team environment.

## EDUCATION

- BSc.(Hons) in Software Engineering**  
University of Kelaniya , Sri Lanka  
2022 - Present Current GPA - 3.1/4.0  
**Domain-**
  - Data Science and Engineering Application
  - Net-Centric Web Application Development
  - Business Engineering Application
- G.C.E. A/L - PHYSICAL SCIENCE** 2018-2020  
Wayamba Royal Collage , Kurunegala  
**Z score - 1.5566**
  - Combined Mathematics - A
  - Chemistry - A
  - Physics - C
  - General English - C

## PROJECTS

### React Cloud Deployment (Individual Project)

[GitHub Actions](#) | [AWS EC2](#) | [Docker](#) | [Nginx](#)

Developed a CI/CD pipeline to automate building and pushing Docker images to Docker Hub, deploying a React application to AWS EC2, and serving it with NGINX. Implemented automated build, test, and deployment workflows using GitHub Actions.

[Repo: React Cloud Deployment Pipeline](#)

## PROGRAMMING LANGUAGES

- Java
- HTML
- JavaScript
- PHP
- C
- Bash

## SOFT SKILLS

- Critical Thinking
- Team Working
- Communication Skills
- Project Management
- Time Management

## LANGUAGE

- English
- Sinhala

## REFERENCE

### Dr. Nalin Warnajith

Head of the Software Engineering Teaching Unit,  
University of Kelaniya.

Phone: +94 71 757 0140

Email : nwarnajith@kln.ac.lk

### Dr. (Mrs) Isuru Hewapathirana

Senior Lecturer (Grad II) ,  
University of Kelaniya.

Phone: +94 77 732 9626

Email : ihewapathirana@kln.ac.lk

### AWS Infrastructure Automation (Individual Project)

Terraform | GitHub Actions | AWS (VPC, EC2, Security)

Designed and deployed AWS infrastructure using Terraform and automated orchestration via GitHub Actions. Provisioned VPCs, subnets, route tables, security groups, and EC2 instances with provisioning scripts. Integrated remote state via S3 with DynamoDB locking, and secured workflows with GitHub Secrets for automated, repeatable infrastructure deployment.

[Repo: AWS Infra Automation](#)

### Containerized Microservices Voting Application on Kubernetes

Kubernetes | Minikube | Microservices

Deployed a multi-container voting application on Kubernetes using Minikube. Configured multiple deployments and services (Vote, Redis, Worker, DB, Result) within a dedicated namespace, demonstrating microservice communication, container orchestration, and NodePort exposure for frontend access.

[Repo: K8s Project](#)

### AWS Cloud Automation with Shell Scripting

AWS | Bash

Automated management of EC2, S3, CloudWatch, and IAM resources using shell scripts and AWS CLI, improving operational efficiency.

[Repo: Shell Scripting](#)

### React K8s GitOps Pipeline (Ongoing)

React | Jenkins | SonarCloud | Docker | Kubernetes | Argo CD

Built an end-to-end DevOps CI/CD pipeline for a React app using Jenkins for CI, SonarCloud for static analysis, Docker containerization, Kubernetes deployment, and Argo CD-based GitOps for continuous delivery

[Repo: React K8s GitOps Pipeline](#)

## CERTIFICATES

- AWS Cloud Quest: Cloud Practitioner - Training Badge
- Docker Training Course for the Absolute Beginner
- Crash Course: Kubernetes For Absolute Beginners
- YouTube Labs - Kubernetes Crash Course
- Introduction to Java
- Java Intermediate

## VOLUNTEERING

### VICE CHAIRPERSON

2024 - 2025

IEEE Student Branch , University of Kelaniya.

### TEAM LEADER - DIGITAL MEDIA & PUBLIC RELATIONS AVENUE

2023 - 2024

Rotaract Club of University of Kelaniya.

### EDITORIAL HEAD

2023 - 2024

IEEE Student Branch , University of Kelaniya.

### EXECUTIVE COMMITTEE MEMBER

2022-2023

Software Engineering Students' Association,  
University of Kelaniya.