



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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- [Shashmitha Bandara/Github](#)
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- [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 Techonologies
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

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Dr. (Mrs) Isuru Hewapathirana

Senior Lecturer (Grad II) ,
University of Kelaniya.

Phone: +94 77 732 9626

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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 IEEE Student Branch , University of Kelaniya.	2024 - 2025
○	TEAM LEADER - DIGITAL MEDIA & PUBLIC RELATIONS AVENUE Rotaract Club of University of Kelaniya.	2023 - 2024
○	EDITORIAL HEAD IEEE Student Branch , University of Kelaniya.	2023 - 2024
○	EXECUTIVE COMMITTEE MEMBER Software Engineering Students' Association, University of Kelaniya.	2022-2023