SHASHMITHA BANDARA

SOFTWARE ENGINEER **UNDERGRADUATE**

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

in Shashmitha Bandara/Linkedin

⊙ Shashmitha Bandara/Github

⊙ Shashmitha Bandara/Medium

TECHNICAL SKILLS

FRAMEWORKS & TECHNOLOGIES

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

PROGRAMMING LANGUAGES

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

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

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

CERTIFICATES

- Docker Training Course for the Absolute Beginner
- Crash Course: Kubernetes For Absolute Beginners
- YouTube Labs - Kubernetes Crash Course
- Introdction 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.