



Induwara Mihisara

Software Engineer Intern

[LinkedIn](#) [GitHub](#) [+94 712954346](#) [induwaramihisara@gmail.com](#)

About Me

A highly motivated Software Engineering undergraduate with strong hands-on experience in full-stack development, DevOps practices, and cloud technologies. Passionate about solving real-world problems, building scalable systems, and continuously learning modern tools. Skilled in collaboration, creative thinking, and delivering high-quality software through practical, project-based learning.

Education

B.Sc.(Hons) Software Engineering

University of Kelaniya

GPA - 3.3

2023 - 2027

Ga/ Sri Devananda College

Maths Stream - 1A 2B

O/L - 7A 2B

2008 - 2021

Skills

Frontend

- React | React Native | Tailwind CSS | Bootstrap | HTML | CSS | JavaScript

Backend

- Java | Spring Boot | Express.js | PHP

Databases

- MySQL | MongoDB

DevOps & Cloud

- Docker | Docker Compose | Kubernetes | AWS (EC2, EKS, S3, VPC, ALB, Auto Scaling, CloudFormation, CLI) | GitHub Actions | Jenkins | Argo CD | GitOps | SonarQube | Linux Shell Scripting | Networking Fundamentals

Tools

- Git & GitHub | Postman | Docker Hub | Maven

Databases

- MongoDB | MySQL

Other Skills

- OOP | Data Structures | MVC Architecture | Coding Principles and Design Patterns | C

Projects

1.Full Stack Food Delivery Application(Individual Project)

React | Spring Boot | Mongo DB | AWS S3 | Stripe | JWT | Bootstrap

- Built a food delivery platform with separate customer & admin web apps.
- Customer app: menu browsing, order placement, Stripe payments.
- Admin panel: manage items, track orders, handle customer data.
- Backend: Spring Boot + MongoDB.
- AWS S3: secure menu image storage. [GitHub Repo](#) [LinkedIn Post](#)

2.Realtime Social & Video Calling Application for Language Learners(Individual Project)

React | Express.js | Mongo DB | Tailwind CSS | JWT | Streamify API

- Built a real-time chat & video calling app for language learning.
- Features: user accounts, friend management, messaging, peer-to-peer video calls.
- JWT for authentication & Streamify API for real-time communication.
- Frontend: React + Tailwind CSS.
- Backend: Express.js + MongoDB. [GitHub Repo](#) [WebSite](#) [LinkedIn Post](#)

3.Secure E-Commerce Web Application (Individual Project)

React | Spring Boot | MySQL | Auth0 | Tailwind CSS | Bootstrap

- Built a simple e-commerce app with a security-first approach.
- Features: user registration, product browsing, order management.
- Auth0 authentication with role-based access control.
- OWASP Top 10 mitigations (SQL injection, XSS, broken authentication, etc.).
- HTTPS encryption for secure data transmission. [GitHub Repo](#) [Article](#) [LinkedIn Post](#)

4. Fuel Management System (Group-Project)

React | React Native | Spring Boot | MySQL | H2 | Firebase Auth | Mailgun

- **Citizen Web Portal** – Vehicle registration, QR code generation/updates, weekly fuel tracking, and account management.
- **Fuel Station Mobile App** – Built with React Native for QR code scanning, vehicle verification, and real-time fuel updates.
- **Admin Panel** – Tracks fuel usage patterns and resets weekly fuel limits automatically using Spring Boot's scheduler. [GitHub Repo](#) [LinkedIn Post](#)

5. To-Do List Mobile App (Individual)

React Native | TypeScript | Zustand | AsyncStorage | Material Design

- **Task Management Mobile App** – Built as a personal project to practice React Native development.
- **User Features** – Add, edit, delete, copy, and share tasks, mark completion, and view task history.
- **Technical Features** – Offline data persistence with AsyncStorage, smooth animations, and responsive UI following Material Design principles. [GitHub Repo](#) [LinkedIn Post](#)

DevOps & Cloud Projects

1. Ultimate CI/CD Pipeline for Spring Boot Application (Individual Project)

Jenkins | Argo CD | Docker | Kubernetes | SonarQube | GitHub | Maven | GitOps

- **CI (Jenkins):** Pulls code from GitHub, builds & tests using Maven, and performs static code analysis with SonarQube, builds Docker images, and pushes them to Docker Hub.
- **CD (ArgoCD):** Deploys the updated Docker image to a Kubernetes cluster through a fully automated GitOps workflow. Improved deployment speed, build reliability, and automation across the application lifecycle. [GitHub Repo](#) [LinkedIn Post](#)

2. Game Deployment on AWS EKS (Individual Project)

AWS EKS | Fargate | Kubernetes | ALB | Ingress | kubectl | YAML

- Created an AWS EKS cluster with Fargate profiles for serverless pod execution.
- Deployed the 2048 game using Kubernetes deployment, service, and ingress YAML files.
- Configured Ingress with an Application Load Balancer (ALB) to expose the application to the internet.
- Ensured smooth, scalable, and secure deployment using Kubernetes on AWS.

[GitHub Repo](#) [LinkedIn Post](#)

3. Scalable & Secure Web Application on AWS (Ind.)

AWS (VPC, EC2, ALB, Auto Scaling, Bastion Host) | Networking | Security | [LinkedIn Post](#)

4. Dockerized MERN Stack Application Deployment on AWS EC2 (Ind.)

Docker | Docker Compose | MERN | AWS EC2 | Containerization
[GitHub Repo](#) [LinkedIn Post](#)

4. CI/CD Automation with GitHub Actions (Ind.)

GitHub Actions | Python | Pytest | AWS EC2 | CI/CD | Workflow Automation
[GitHub Repo](#) [LinkedIn Post](#)

Work Experience

- **Trainee Banking Assistant** - Saving Department People's Bank Ambalangoda (2022-2023)
- **Member of Software Engineering Students Association** - University of Kelaniya (2023 - Present)

References

Dr. Nalin Warnajith

Head of the Software Engineering Teaching Unit,
University of Kelaniya
Phone +94 71 7570140
Email nwarnajith@gmail.com

Dr. Isuru Hewapathirana

Senior Lecturer (Grade II),
Software Engineering Teaching Unit,
University of Kelaniya
Phone +94 77 7329626
Email ihewapathirana@kln.ac.lk