SACHINI KALANSOORIYA

SOFTWARE ENGINEER INTERN

A motivated and versatile software engineering student passionate about full-stack development. Skilled in crafting creative, efficient solutions with modern technologies, I thrive in collaborative, dynamic environments and am eager to contribute to impactful projects while continuously learning and innovating.

CONTACT

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📍 Katubedda,Moratuwa.

in sachini-kalansooriya

⌨ sachini kalansooriya

💼 my-portfolio

EDUCATION

2023 – present
FACULTY OF INFORMATION TECHNOLOGY
UNIVERSITY OF MORATUWA

- B.Sc. (Hons) in Information Technology
- CGPA = 3.37(out of 4.0)

2013–2021
ANULADEVI BALIKA VIDYALAYA GALLE

G.C.E Advanced Level (2021)
Z-score - 1.7953
- ICT-A
- Combined Maths - B
- Physics – B

G.C.E Ordinary Level (2018)
- Passed with 6A's & 3B's

TECHNICAL SKILLS

PROGRAMMING LANGUAGES

- C
- Python
- Java

PROJECTS

Automobile Service Management System - ONGOING
Group project
Technologies: Spring Boot, React, MySQL, Docker, WebSockets, REST APIs

- Designing and developing a full-stack enterprise web application for automobile service management.
- Implementing customer features (secure authentication, appointment booking, real-time tracking) and employee features (time logging, workload monitoring).
- Building real-time updates and role-based access control.
- Containerizing the system for efficient deployment.
- Integrating a Generative AI chatbot for appointment slot checking.

WEBCAD
2D &3DModeling Creation System
Second Year Software Group Project
Mentored by Turbogen

Role - Full-stack developer,UI/UX designer

Technology used-Reactjs, tailwind, threejs, node, express, postgresSQL,socket.io, docker.

Browser-based 3D modeling application designed to provide intuitive tools for sketching, editing, and exporting 3D designs. It supports collaborative modeling with real-time features, version control, and user personalization.

Key Responsibilities
- Implemented user account personalization.
- Developed snap-to-grid functionality for all shapes.
- Enabled users to create, save, and load custom designs.
- Built backend APIs for efficient user data storage and feature support.

STYRA

AI Wardrobe Stylist App

Technologies used-React Native, FastAPI(python),PostgreSQL, Hugging Face Transformers (CLIP), PyTorch,Nodejs
GitHub Repository: Styra-repo

- Designed and developed an AI-powered mobile app for personalized outfit recommendations using weather, location, and occasion data. (using pretrained AI model-CLIP)
- Implemented wardrobe management with photo uploads, AI-driven clothing categorization, and digital closet organization.
- Integrated favorites, worn history, JWT authentication, and a FastAPI backend with PostgreSQL

WEB DEVELOPMENT

- HTML
- CSS
- Tailwind
- React
- Javascript
- Nextjs
- Threejs
- Node
- Express
- Socket.io
- PHP
- Python
- Ballerina

MOBILE DEVELOPMENT

- React Native

DATABASE

- MongoDB
- PostgreSQL
- MYSQL

VERSION CONTROL TOOLS

- Git
- Github

DEVOPS & DEPLOYMENT TOOLS

- Docker

PROJECT MANAGEMENT TOOLS

- Jira

UI/UX DESIGN

- Figma

GRAPHIC DESIGN

- Adobe Lightroom Pro
- GIMP
- Canva

SOFT SKILLS

- Problem solving
- Teamwork & collaboration
- Adaptability
- Creativity
- Time Management
- Leadership skills

LANGUAGES

- English
- Sinhala

CHATLY
A Real-Time Chat App

Role: Full-Stack Developer

Technologies: React, Node.js, Express, MongoDB, Tailwind CSS, Socket.IO, Postman

GitHub Repository: Chatly-repo

A real-time chat application that offers a seamless real-time messaging, send text messages, emojis, and images, and view who's online in real time.includes secure user authentication with sign-up and login functionality, customizable profile pictures, and theme switching between dark and light modes.

SAFEROUTE
A Real-Time Hazard Reporting & Navigation Platform

Role: Full-Stack Developer

Technologies: Next.js, React, Node.js, Ballerina, PostgreSQL, Tailwind CSS, Google Maps API, REST API, JWT Authentication

Github Repository : SafeRoute-Repo

Group Project

Web app for reporting and viewing road hazards in real time, featuring image uploads, interactive maps, route-based filtering, live updates, user authentication, comments, likes, and an RDA admin dashboard.

My Responsibilities
- Built hazard report submission with images and geolocation
- Developed route selection, filtering, and interactive map features
- Implemented real-time updates for reports and comments
- Created RDA dashboard for report management

MEDISYNC
Smart Medicine Dispenser & Reminder

First-Year IoT-Based Hardware Group Project

Github Repository : Medisync-Repo

Built a smart medicine dispensing and reminder system to support timely medication intake.
- Software: Arduino IDE, Firebase, CallMeBot API, EasyEDA, CorelDRAW, SolidWorks
- Hardware: ESP32, NEMA 17 Motors, Ultrasonic Sensor, RTC module, Keypad, LCD, Battery System

CERTIFICATIONS & ACHIEVEMENTS

- Version Control Certificate – Coursera, offered by Meta
- Python for Beginners – University of Moratuwa
- Innovate with Ballerina Coding Challenge – Participant Organized by IEEE UoM in collaboration with WSO2 (Sep–Nov 2024)
- CodeRush 2024 – Hackathon Participant Organized by INTECS, University of Moratuwa

EXTRACURRICULAR ACTIVITIES

- Member - FIT Moments
  (IT Faculty Official Media Unit, University Of Moratuwa)

REFERENCES

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