SACHINI KALANSOORIYA

SOFTWARE ENGINEER INTERN

Motivated software engineering student passionate about full-stack development. Skilled in building creative, efficient solutions with modern technologies and eager to contribute to impactful projects while continuously learning.

CONTACT

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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)
Technologies: Spring Boot, React, MySQL, Docker, WebSockets, REST APIs
My Responsibilities
Implementing the appointment booking module, including user-friendly booking UI, backend APIs for creating and managing appointments, and robust schedule availability logic. Designed and maintained database models to support efficient appointment scheduling and history tracking, ensuring seamless integration with other system components.

WEBCAD - 2D &3DModeling Creation System
Second Year Software Group Project - Mentored by Turbogen
Role - Full-stack developer,UI/UX designer
Technology used-Reactjs, tailwind, three.js, 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

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

WEB DEVELOPMENT

- HTML
- CSS
- Tailwind
- React
- Angular
- Springboot
- Javascript
- Next.js
- Three.js
- 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

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.

TODO WEB APP– Smart Task Manager

Role: Full-Stack Developer

Technologies: Angular , Spring Boot, MySQL, Tailwind CSS, JWT, Google OAuth2

Github Repository : To-Do-Web-App-Repo

A full-stack task management application with Google OAuth2 authentication and JWT-secured APIs. Enables users to create, update, and manage tasks with priority levels, statuses, and due dates. Features responsive UI with Tailwind CSS, Kanban board and calendar views, and advanced filtering by status, priority, and date. Implemented real-time updates using RxJS and Angular services, with secure backend integration using Spring Security and JPA.

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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