



CHAMIKA ROHAN

Engineering Undergraduate

Signed by: Chamika Rohan | Phone: 0716868110 • Email: chamika707@gmail.com

Portfolio-Website | LinkedIn | GitHub

ABOUT ME

A Software Engineering Undergraduate, dedicated to crafting innovative solutions that push the boundaries of what's possible. I'm interested in Software Engineering, Web Development, AI/ML, Machine Vision and NLP.

SKILLS

- **Technical Skills:** Data Structures and Algorithms, Object Oriented Programming and Design Patterns
- **Technologies:** Java, Python, C++, Spring Boot, JavaScript, React, NodeJS, ExpressJS, Angular, Material UI, HTML, CSS, SCSS, PHP, React Native, MySQL, MongoDB, LangChain, TensorFlow, Git, AWS, Azure
- **Soft Skills:** Leadership & Decision making, Attention to details, Punctuality, Multi-tasking

WORK EXPERIENCE

Trainee Software Engineer at CodeGen International (Pvt) Ltd

Oct 2023 - Jan 2024

- During my training, I collaborated with the Lia MAS team in the Research and Development (R&D) department to develop AI-driven solutions aimed at enhancing user experiences through innovative chatbot technologies. Tech-Stack: LangChain, Python, OpenAI, Weaviate and Prompt Engineering

PROJECTS

Full-Stack Developer at Savory-Scape Project

April 2024 - June 2024

- Implemented the platform's frontend and backend while implementing features for recipe exploration, creating and sharing their recipes, and community engagement, ensuring a seamless, user-friendly experience. Tech-Stack: React, Material UI, Spring Boot and MongoDB

Full-Stack Developer at Ticket-Twist Project

May 2024 - July 2024

- Implemented platform's frontend and backend systems, integrating features for seamless ticket search, view ticket details, request for tickets, creation and publication of tickets, and email notifications on ticket requests, and also authentication and authorization processes. Tech-Stack: MERN, Bootstrap, Nodemailer and JWT

Full-Stack Developer at Dream Memories Project

March 2024 - May 2024

- Implemented complete stack enabling users to view memories and like them as guests, and allowing signed-up and logged-in users to post memories and delete their own, handling all client and server functionalities. Tech-Stack: MERN, Material UI, CSS and JWT

Full-Stack Developer at Nimbus Weather Platform Project

July 2024 - Present

- Developed a user-friendly web application that enables users to easily search for their city and access detailed weather information, including temperature, humidity, wind speed, and more. Tech-Stack: Angular and Open WeatherMap API

Backend Developer at IntelliTrend Health Platform Project

Jan 2023 - Aug 2023

- I contributed for authenticating process for both patient and doctor roles, implementation of document management with OCR, developing health data analysis features, and building the complete backend process for channeling booking procedures. Tech-Stack: MERN, Material UI, Tesseract.js and JWT

AI/ML Developer at Deep Learning based Gesture Recognition Research Project

Jan 2024 - Present

- Contributed for developing the full backend of the software, real-time gesture recognition system, and designing the deep learning model for hand gestures. Tech-Stack: Tensorflow, Python, Mediapipe, OpenCV

AI/ML Developer at Deep CNN based Research under Varying Lighting Conditions

April 2024 - June 2024

- Conducted a research to find the impact of CNN model architecture and preprocessing on image classification accuracy under varying lighting conditions. Tech-Stack: VGG16, OpenCV, TensorFlow, Keras and Python.

AI/ML Developer at Wine Quality Predict using Physiochemical Properties Project

Feb 2024 - April 2024

EDUCATION BACKGROUND

BSc. Eng. (Hons) in Electrical and Information Engineering - University of Ruhuna

Jul 2020 - Present

A/L Physical Science in Dharmaraja College - Kandy

Feb 2016 - Aug 2018

ADDITIONAL INFORMATION

- **Certifications:** AWS Cloud Technical Essentials, Introduction to Microsoft Azure Cloud Services
- **Extra-Curricular:** Temporary Instructor at University of Ruhuna, Vice president at AIESEC in University of Ruhuna, Photography & Videography Lead and Secretary at REF Media, Executive Member at EIES

REFERENCES

Dr. Thilina Weerasinghe (PhD (Norway), MSc (Norway), BScEng (Hons) (Ruhuna), AM-IESL)

0768343786, thilina@eie.ruh.ac.lk

Ms. Dinuwanthi Welmilla (BSc Eng.(Hons) (Ruhuna) MSc (Moratuwa), AMIE (SL), IEEE, IAS, SLEMA)

0716000326, dinuwanthiwelwilla@eie.ruh.ac.lk