



KAUSHIKA WINODAHWEA

PROFESSIONAL EXPERIENCE

Software Engineer (Intern)

Sri Lanka Telecom, Colombo

| September 2023- March 2024

In Sri Lanka Telecom I've worked with the Research and Development team.

- Spearheaded the end-to-end design and development of a machine learning project focusing on Agriculture.
- Pioneered the front-end implementation, translating UI design concepts into a fully functional and visually appealing user interface.
- Develop maintainable and reusable UI components
- Collaborate to develop the backend part
- Contribute to developing the user verification module, enhancing system security and user authentication.
- Contribute to testing and maintenance of the software
- Quickly acquired new technologies to stay up-to-date with industry trends and best practices

PROJECTS

Analyzing the role of Social Media in Crisis

Communication | 2023 - 2024

The research focuses on analyzing the role of social media in crisis communication.

- how social media influencers/public figures and social media users communicate during a crisis.
- Identify meaningful top trending topics and trend change points analysis during the crisis period.
- I have contributed to the research and analysis with data preprocessing, fine-tuning, and model training techniques.

Technologies - Machine learning, Clustering, Natural Language Processing, Artificial Neural networks, Python

Employee management system - Web Application | 2023

- The web application that enables users to create, store, and manage Employee Records
- Provides facilities of a payroll system and leave application
- manage employees and also the company's different tasks and project
- manage and store details of employees like employee personal info and also details of different departments of the company and different branches of the organization
- Contribute to implementing frontend and database designing and maintaining test plans and test cases.

Technologies - React JS, .netcore 3.1 web API, MS SQL, AWS cloud platform

PERSONAL SUMMARY

Having completed all modules in my degree I am a self-motivated team player with a strong understanding of various components of Software Engineering at SLTC Research University. I have a strong passion for full-stack development and a keen interest in learning new technologies. I actively seek opportunities for personal and professional growth. Committed to staying updated with emerging technologies, I aim to deliver innovative solutions.



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Nittambuwa, Sri Lanka



EDUCATION

Bachelor of Science (Hons.) Information Technology in Software Engineering

Sri Lanka Technological Campus

GPA: 3.1

| 2020 - 2024 (Completed)

Advanced diploma in Telecommunication Systems engineering

Sri Lanka Telecom Training Centre, Walisara

| 2015 - 2018

TECHNICAL SKILLS

- Java, Python
- HTML, CSS, Tailwind CSS, SASS
- Bootstrap
- JavaScript, Node.js, Express.js, Next.js
- React
- MYSQL
- Figma
- RESTful API
- AWS
- Git

SKILLS

- Problem Solving
- Critical Thinking
- Creativity
- Leadership
- Team Player
- Communication

ACTIVITIES

- Led the logistic team of the Holy festival organized by the Odyssey crew, the community of SLTC Research University
- Participated in the Cadet Camp held on 2009
- Member of the School Prefect board (2012-2013)

REFERENCES

Eng. Kasun K. Herath

BTech Hons (Eng) , MSc (UoM) , Dip in CS (UCD) , MIEEE Lecturer, Faculty of Computing and IT, SLTC Research University, Padukka – Sri Lanka.

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Dr. Dileepa Fernando

B.Sc. (Computer Science and Engineering), University of Moratuwa. PHD in Computer Science, National University of Singapore.

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PROJECTS CONT.

GrowMentor - Web Application | 2023

This application allows users to identify diseases affecting various plant leaves by simply registering and uploading a photo of the leaf.

- The system then generates results indicating whether the leaf has a disease or not. In case of disease, detailed explanations and necessary solutions are provided.
- Additionally, the application features a Knowledge Hub where users can upload posts
- Contributed to frontend development and played a key role in designing and managing the MySQL database backend, ensuring efficient data storage and retrieval.
- Contribute to system testing, by implementing test cases.

Technologies - HTML, CSS, JS, Bootstrap, Python, PHP, MYSQL

E-Commerce - Web Application | 2023

- Developed a comprehensive e-commerce platform enabling users to create profiles, search for products, and make purchases online.
- Implemented product search functionality to help users efficiently find specific items based on categories.
- Integrated a secure and user-friendly shopping cart system,
- Designed and incorporated a wishlist feature.
- Employed responsive web design techniques across various devices.

Technologies - React, Express.js, Node.js, MongoDB (MERN Stack)

CERTIFICATES

- **Certification** in 'Getting Started with Azure DevOps Boards' issued by Coursera | **2024**
[View Certificate](#)
- **Certification** in 'Foundations of User Experience (UX) Design' issued by Coursera. | **2022**
[View Certificate](#)
- **Certification** in 'Cloud Computing Applications, Part 1: Cloud Systems and Infrastructure' issued by Coursera | **2021**
[View Certificate](#)
- **Certification** of completion 'Backend Web Dev Bootcamp with Node.js Bootcamp' issued by ShapeAI
[view Certificate](#)
- **Participated** 'CYBERHAT 1.0 Getting started with Cybersecurity and Ethical Hacking' : Organized by IEEE Student Branch (SLTC) in collaboration with Cyberior Info Sec PVT LTD.
[View Certificate](#)
- **Participated** AdaGrad'21 workshop on 'introduction to machine learning' and online skill test : Organized by IEEE Student Branch (SLTC).
[View Certificate](#)
- **Participated** graphic design workshop Organized by SEDS Kelaniya in collaboration with Steam Media.
[View Certificate](#)

