Kaushika Winodahewa

SOFTWARE ENGINEER

in https://www.linkedin.com/in/kaushika-winodahewa-aa

https://github.com/shehan1215

A highly motivated Software Engineer with a strong passion for full-stack development and a keen interest in emerging technologies. Experienced in designing and developing scalable web applications, AI-powered platforms, and secure backend systems. Proven ability to collaborate with cross-functional teams, optimize system performance, and deliver user-centric solutions.

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🏠 Nittambuwa, Sri Lanka

🔗 https://shehan1215.github.io/

📍 Sri Lanka

📞 0773288579

Technologies

Programming Languages Java, Python, JavaScript

Front-End Development HTML5, CSS, Tailwind CSS, SASS, Bootstrap, React

Web Backend Development Node JS, Express JS, RESTful API

Database Technologies MySQL, Mongo DB

Design Tools Figma

Version Control Git

Soft Skills

Problem Solving

Team Leadership

Creative Thinking

Team Work

Communication skills

Education

From 2015 to 2018
Advanced Diploma in Telecommunication Systems Engineering
Sri Lanka Telecom Training Centre, Walisara Walisara

From 2020 to 2024
B.Sc. (Hons) Information Technology (Specialized in Software Engineering)
Sri Lanka Technology Campus (SLTC), Colombo Sri Lanka Colombo Sri Lanka

Major: Web Development Minor: Machine Learning GPA : 3.01 (Second Class Lower Division)

Work Experience

Since November 2024
Software Engineer
G Lab IT Solutions (Pvt) Ltd Sri Lanka

- Spearheaded the development of web applications, leading to a 50% increase in customer retention through user-friendly design.
- Designed and implemented a POS, reducing transaction processing time by 50% and error rates by 90%.
- Developed and integrated RESTful APIs, improving data retrieval speed by 35%.

From September 2023 to March 2024
Software Engineer - Intern
Sri Lanka Telecom, Colombo Sri Lanka

- Designed and developed an AI-powered agriculture management platform, resulting in a 30% improvement in operational efficiency.
- Developed a front-end UI that enhanced user engagement by 40%, delivering a seamless experience.
- Improved system security by integrating a robust user verification module, reducing unauthorized access attempts by 25%.
- Contributed to backend services of the Admin Panel, optimizing data handling by 20%.

Interests

Programming

Web Designing

Web Developing

Languages

English

References

Dr. Sampath Deegalla
Senior Lecturer at University of Peradeniya , B.Sc. Eng. in Computer Engineering, University of Peradeniya, Ph.Lic. and Ph.D in Computer and Systems Sciences, Stockholm University, Sweden.
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Projects

Analysing the role of Social Media in Crisis Communication | Final Year Research 2023-2024

Technologies Used : Python, Machine learning, TensorFlow, PyTorch Clustering, Natural Language Processing, Artificial Neural networks

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.
- I have contributed to the research and analysis with data preprocessing, fine-tuning, and model training.

Employee Management System | Web Application

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

The web application that enables users to create, store, and manage Employee Records.
- Contributed to implement frontend and database designing and maintaining test plans and test cases.

Obstacle Avoiding Line Following Robot | 2021

Used Technologies – Arduino

The Robot can follow the specific line drawn on the surface and also it can avoid obstacles on that line path.
- Contributed to implement the obstacles avoiding part.

Smart Home Automation System | 2022

Used Technologies : Raspberry pi 3 model, Arduino

Mainly implemented four functions which are motion detected light, security systems, motion detected roller door, and smart light.
- Contributed to implement security system and motion detection part.

Certificates

2022 — **Participated 'CYBERHAT 1.0 Getting started with Cybersecurity and Ethical Hacking'**
IEEE Sri Lanka, SLTC Student Branch
view certificate

2024 — **Certification in 'Getting Started with Azure DevOps Boards'**
Coursera Online
view certificate

2022 — **Certification in 'Foundations of User Experience (UX) Design'**
Coursera Online
view certificate