

GAMAGE KUSHAN NALINKA

SOFTWARE ENGINEERING UNDERGRADUATE.

🏠 676/6, K- 5, Colombo Dockyard Quarters, Colombo 15, Sri Lanka.

☎ +94764846325

✉ kushannalinka572@gmail.com

🌐 www.linkedin.com/in/kushan-nalinka

🔗 <https://github.com/KushanNalinka>

PROFILE

Dedicated and motivated individual with a strong work ethic, combining strong analytical and problem-solving skills to effectively achieve goals. Excels at working in a cooperative team and producing excellent work on schedule. Passionate about Full-stack web development, UI/UX engineering, machine learning, AI and Data Science. Aiming to leverage my analytical, leadership, and organizational skills for success in an internship role.

WORK EXPERIENCE

2024 December - **Bank of Ceylon**

Present

Software Engineer Intern

SMS Gateway Application for Bank of Ceylon Sri Lanka

Playing a key role in developing a high-performance SMS Gateway application for BOC using Spring Boot, React.js, and IBM DB2. The application integrates core banking transactions, ATM alerts, OTP services, and bulk messaging. It leverages multithreaded programming, sockets, and web socket technologies to ensure efficient message processing and delivery through telecom providers, with real-time logging, status updates, and seamless application integration.

2024 June -

2024 November

Dockyard Total Solutions (Pvt) Ltd.

Software Engineer Intern

DOCCAFE - Canteen Management System of Colombo Dockyard PLC

Led the development of DocCafe, a POS system for Colombo Dockyard Canteen, enabling employees to pay using cash, card, or service number-linked salary deductions. Integrated with the company's existing system, the solution streamlines canteen and finance management, enhances inventory control, and provides real-time sales analysis, improving operational efficiency and decision-making.

Tools and Technologies: (C#) ASP.NET Core Web API, MS SQL Server, React.js, Tailwind CSS, Redux.

Employee Evaluation System of the Colombo Dockyard PLC

Played a key role in developing the Employee Evaluation System for Colombo Dockyard PLC, designing the frontend using React.js and Tailwind CSS. Contributed to backend enhancements with ASP.NET, MS SQL Server ensuring seamless functionality and improved system performance. Successfully implemented modifications to optimize the evaluation process, demonstrating expertise in both frontend and backend development.

School Cricket Management Web Application.

Actively participated in frontend development for a cricket management system web application for a renowned school in Sri Lanka.

Tools and Technologies: React.js, Tailwind CSS

TECHNICAL PROJECTS

TRENDMARK

2024

Developed TrendMark, an e-commerce web and mobile application for customers and vendors, utilizing monolithic architecture for efficient enterprise application development and seamless user experience. Developed under the guidance of IFS Sri Lanka.

Tools and Technologies - (C#) ASP .NET Core Web API, MongoDB Atlas, Firebase, Microsoft Azure, IIS Server, React.js, Bootstrap, Java, Nginx.

A WEBSITE TO SPACECO.

2024

Developed an astronomical website, SPACECO, by integrating NASA APIs. This website provides real-time astronomical data and insights to users.

Tools and Technologies : React.js, Tailwind CSS, Express.js, MongoDB Atlas, NASA APIs.

LINK - <https://spaceco-frontend.onrender.com>

ONLINE EDUCATION PLATFORM TO EDUWAVE

2024

Developed an educational platform for online learning, tailored to offer a wide range of courses to learners. The platform highlights a microservice architecture for scalable and efficient service delivery.

Tools and Technologies: React.js, Tailwind CSS, Express.js, MongoDB Atlas, Containerization and Orchestration by Docker & Kubernetes.

https://github.com/nuwandi00/DS_Assignment.git

HOTEL BOOKING APPLICATION

2024

Designed a hotel booking application that allows clients to book hotels nationwide, offering user-friendly interfaces and a seamless booking process.

Tools and Technologies : MERN Stack(MongoDB, Express.js, React.js, Node.js), VS code.

UNIVERSITY TIMETABLE MANAGEMENT SYSTEM

2024

Designed a RESTful API for managing university timetables, enabling the creation, modification, and querying of class schedules for students, faculty, and staff. Focused on secure access, data integrity, and efficient resource allocation.

Tools and Technologies : VS Code, Node.js, Express.js.

PROCUREMENT MANAGEMENT SYSTEM

2023

Developed web and mobile applications to optimize procurement tasks for Construct Mate Company, improving efficiency and task management.

Tools and Technologies : React.js, Firebase for web application, React Native, Firebase for mobile application.

GYMXPRT MOBILE APPLICATION

2023

Developed a mobile application for workout tracking, progress monitoring, and payment management, catering to gym users and instructors.

Tools and Technologies : React Native, Firebase.

BUSINESS MANAGEMENT SYSTEM FOR DELUXE

2023

Automated business management system for Deluxe Groups, enhancing overall operational efficiency.

Tools and Technologies : MERN Stack(MongoDB, Express.js, React.js, Node.js),VS Code editor.

SOORYA PRODUCTS MOBILE APPLICATION

2023

Developed a mobile application enabling the rural community to sell products to urban areas, addressing issues related to inflation and market accessibility.

Tools and Technologies : Android Studio, Kotlin, Firebase

ONLINE BUS TICKETING SYSTEM

2022

Created a desktop application for private bus transport system using Java, incorporating object-oriented principles through MVC architecture.

Tools and Technologies: Java, MySQL Workbench, Apache Tomcat, Eclipse

A WEBSITE TO CONSTRUCTION COMPANY

2022

Created a fully functional website for Matrix with the goal of improving operational effectiveness and project management

Tools and Technologies: HTML, CSS, JavaScript, PHP, MySQL database server, Apache server.

EDUCATION

2021 - Present **BSc (Hons) in Information Technology Specialising in Software Engineering**

SLIIT, Malabe, Sri Lanka

Final Year Undergraduate

2021 - 2022 **National Diploma in Technology - Mechanical Engineering Technology**

University of Moratuwa, Sri Lanka

2017 - 2019 **G.C.E. Advanced Level Examination**

Mahanama College, Colombo -03, Sri Lanka

Physical Science Stream

RESEARCH PUBLICATIONS

MACHINE TRANSLATION MODEL

2023

Constructed a Sinhala to English translator using a sequence-to-sequence transformer neural network architecture.

Tools and Technologies : Keras, TensorFlow, Flask, Google Co-Lab.

<https://propulsiontechjournal.com/index.php/journal/article/view/1393>

ONGOING PROJECTS

2024 **HIREGENIUS : AI-POWERED CANDIDATE SELECTION AND HIRING PROCESS FOR SOFTWARE ENGINEERS**

SLIIT - Final Year Research Project

CV shortlisting, initial screening, and candidate selection for interview advancement can be enhanced by replacing traditional phone screenings with a Chatbot. By integrating a semantic search and a document-based question-asking chatbot, along with a document-based question-answering Chatbot, organizations can streamline the recruitment process.

REFERENCES

Dr. Dilshan De Silva, Assistant Professor
Department of Computer Science & Software
Engineering, SLIIT Faculty of Computing
dilshan.i@slit.lk

Mr. Lahiru Chathuranga
, Lead Software Engineer
Colombo Dockyard PLC.
lahiru@cdl.lk

Mr. Wasantha Jayasekara
, Chief Manager, Product and Services , BOC
0112113554
jaya@boc.lk