

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, combines 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.

EDUCATION

2021 - Present	BSc (Hons) in Information Technology Specialising in Software Engineering <i>SLIIT, Malabe, Sri Lanka</i> Final Year Undergraduate
2021 - 2022	National Diploma in Technology - Mechanical Engineering Technology <i>University of Moratuwa, Sri Lanka</i>
2017 - 2019	G.C.E. Advanced Level Examination <i>Mahanama College, Colombo -03, Sri Lanka</i> Physical Science Stream

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.

OTHER TECHNICAL PROJECTS

2024 - Present

DOCCAFE - Canteen Management System of Colombo Dockyard PLC

Played a key role in developing 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.

School Cricket Management Web Application

Played a key role in frontend development for a cricket management system web application for a renowned school in Sri Lanka.

Tools and Technologies: React.js, Tailwind CSS

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

HIREFGENIUS : 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@sliit.lk

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