PASAN PIYUMANTHA

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PROFILE INFO

I'm Pasan Piyumantha, a final-year Software Engineering undergraduate at NSBM Green University (affiliated with the University of Plymouth, UK), having completed all academic modules and received my final degree classification, with the convocation pending. My degree has provided a strong foundation in Software Engineering, Artificial Intelligence, Machine Learning, and Full Stack Development. I've gained hands-on experience through academic projects as well as industry exposure. My previous work experience as an Airport Service Agent at SriLankan Airlines also helped me develop strong communication, problem-solving, and leadership skills in a high- pressure, customer-facing environment. I have also developed solid SEO expertise over the years and have worked on various SEO projects too. I am now actively seeking opportunities in full stack development and software engineering.

EDUCATION

BSc Software Engineering (Second Class Upper Division**)**   2022 - 2025

University of Plymouth, UK (affiliated with NSBM, Sri Lanka)
Relevant Courses: Object Oriented Programming with Java, System Analysis and Design, Mobile Application Development, Full Stack Development, AI and Machine Learning

Diploma in Marketing Management

Sri Lanka Institute of Marketing (SLIM)
                                                                                                                      2021

Diploma in Web Engineering

ESoft Metro campus - Galle
                                                                                                                      2017

GCE A/Ls

Richmond College , Galle - 1A 2B in Commerce Stream
                                                                                                                      2017

PROJECTS

Leaf Intel - Tea Leaf Quality Detection and Management platform

2025 April

- Developed a Convolutional Neural Network (CNN) model using TensorFlow to classify tea leaf quality based on image input.
- Built a full-stack web application using MERN stack (MongoDB, Express.js, React.js, Node.js) to manage suppliers, leaf submissions, and predictions.
- Integrated the AI model with the backend and deployed it on Google Cloud Functions for scalable, cloud-based inference.
- Enabled real-time WhatsApp notifications to suppliers using the Twilio API for instant feedback and quality alerts.

360 Pot - Self Sustaining Indoor Plant Pot

2024 March

- Designed and developed a self-watering plant pot that monitors soil moisture and automates watering using Arduino-based sensors.
- Integrated humidity, temperature, and light sensors to create an optimal indoor environment for plant health.
- Focused on sustainable design, combining IoT, microcontroller programming, and eco-conscious engineering principles.

Lanka Lift - Long-term Vehicle Renting Platform

2024 April

- Implemented user registration, vehicle browsing, and rental booking features with real-time availability tracking.
- Optimized database queries and page load times to ensure smooth performance and scalability.

Lankan Furniture - Furniture Design Platform

2025 May

- Built a custom room layout tool that allows customers to drag and drop furniture into a virtual space, adjusting size, color, and placement.
- Developed using React.js and Three.js for 2D/3D visualization, with a Node.js backend and MongoDB for storing layouts and furniture data.
- Integrated features like predefined room templates, wall color changes, and dimension validation to guide customers through realistic room setups.

PROFESSIONAL EXPERIENCE

Sri Lankan Airlines
Airport Service Agent
2018 - 2020

- Worked as an Airport Service Agent at Bandaranaike International Airport, Colombo, primarily in the arrival handling section.
- Responsibilities included managing baggage-related tasks using the internationally recognized WorldTracer system.

COMPETENCIES

Programming Languages: **Java, JavaScript, PHP**

Backend Frameworks: **Node.js, Spring Boot**

Frontend Frameworks and Libraries: **React.js, Bootstrap, Tailwind CSS**

Database Systems: **MySQL, MongoDB**

AI/ML Frameworks : **TensorFlow**

Version Control Software: **Git, GitHub**

Other : **Search Engine Optimization, Wordpress, Google Analytics, Google Search Console**

LICENSES & CERTIFICATES

Introduction to Web APIs , LinkedIn Learning (Nov, 2023)

Technical SEO, LinkedIn Learning (Oct, 2024)

REFERENCE

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