



SAHAN WIJESUNDARA

Address: Kandy, Central Province, Sri Lanka
Phone: +94 78 69 52 081
Email: sahanwijesundara11@gmail.com
LinkedIn: /in/sahan-wijesundara
GitHub: Sahanpw11

SUMMARY

I am a dedicated Computer Science with AI student at Coventry University, passionate about using technology to solve real-world problems. I earned a distinction in my HND with a 3.83 GPA, reflecting my strong academic performance. Alongside my technical skills, I have a creative edge with experience in video editing, graphic design, and UI/UX design, which allow me to approach projects from both technical and artistic perspectives. With strong leadership, teamwork, and communication abilities, I thrive in collaborative environments and am committed to making meaningful contributions to Artificial Intelligence and beyond.

SPECIAL SKILLS

Artificial Intelligence	<div><div></div></div>	UI & UX designing (Figma)	<div><div></div></div>
Machine Learning	<div><div></div></div>	Fronted development (React js)	<div><div></div></div>
Generative AI	<div><div></div></div>	Backed Development Fast API , Node JS	<div><div></div></div>
LLM integration and RAG applications	<div><div></div></div>	RESTful API Design & Integration	<div><div></div></div>
IOT & Robotics	<div><div></div></div>	Git Version controlling	<div><div></div></div>
Database Management (PostgreSQL , MongoDB)	<div><div></div></div>	Docker and CI/CD Pipelines	<div><div></div></div>

EDUCATION

B.Sc in Computer Science with Artificial Intelligence
Coventry university
April 2024 - May 2025



HND in Computer Science with Artificial Intelligence
National Institute Of Business Management
April 2022 - April 2024 Distinction(3.83 GPA)



O/L and A/L Completion
Dharmaraja College Kandy
Completed in 2022



WORK EXPERIENCE

Automation Engineer - Intern

MAS Active (Pvt) Ltd - Linea Intimo

June 2024 - December 2024



As an Intern - Automation at MAS Active Linea Intimo in June 2024, I focused on improving manufacturing efficiency through automation. I analyzed workflows, identified areas for improvement, and contributed to implementing innovative solutions in a dynamic production environment.

Research and Development Engineering trainee

Orel Group

March 2024 - June 2024



Engaged as a Research and Development Engineering Trainee at Orel Group, contributing to innovative projects and solutions. Gain hands-on experience in research methodologies, prototype development, and problem-solving within a dynamic engineering environment.

PROJECTS

AI Canvas: An Integrated Platform for AI Image Generation and Enhancement

- Developed a full stack web application for my final project that uses AI models for image generation and enhancement, featuring Stable Diffusion XL for text-to-image generation, RealESRGAN for upscaling, and Rembg for background removal. The app also supports artistic style transfer using Stable Diffusion. It offers prompt enhancement, customizable parameters, and a user-friendly interface, all running locally to ensure affordability and data privacy—making it ideal for users with limited resources.

Automated Package counting system using Image processing

- Developed an Automated Package Counting System at MAS Holdings using advanced image processing to enhance efficiency. A custom YOLO model was trained for accurate package detection, enabling real-time counting and reducing manual effort, time, and errors. The scalable solution improved productivity, lowered costs, and supported data-driven decision-making.

Secure full stack Banking Application

- Developed a full-stack secure banking application with a responsive front-end built using React and a back-end powered by Python (FastAPI). The application utilizes an SQL database for efficient data management. Key features include user authentication, data encryption using AES, and secure file uploads. The project demonstrates expertise in modern web development, secure coding practices, and seamless integration between the front-end and back-end.

Automated fertilizing drone using image processing

- Drones with high-resolution cameras captured images of paddy fields, identifying areas with crops using a custom model on Azure's Custom Vision. GPS-guided technology then precisely spread fertilizers, reducing waste and improving efficiency.

ROLES

Student Council NIBM Kandy Innovation Center (2023- 2024)

- Finance Manager
- Event Coordinator
- Treasure

Spectra 2023 , Skills Expo 2023

- Treasure
- Team Coordinator

Student Council NIBM Kandy Innovation Center (2022- 2023)

- Social Media manager
- Editor
- Event Coordinator

REFREES

Vimukthi Pathirana

Consultant & Lecturer

National institute of business management

+94 71 034 0367

vimukthi@nibm.lk

Buddhini Jayasekara

Senior full stack software engineer

M C Medisoft (pvt) ltd

+94 71 365 3841

buddhinija@gmail.com

Mahesh Madushan

Consultant & Lecturer

National institute of business management

+94 75 404 0403

Mahesh@nibm.lk