

Sakinu Kulathunga

AI/ML Associate

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Professional Summary

I am an undergraduate student pursuing a BSc (Hons) in Artificial Intelligence at University of Moratuwa. With a solid foundation in creating efficient and scalable applications, I excel as a collaborative team player who embraces new challenges. My strong problem-solving skills and ability to perform under pressure drive me to deliver high-quality results. I am currently seeking internship opportunities where I can apply my skills, contribute to organizational success, and gain valuable industry experience.

Experience

Artificial intelligence and Business Intelligence intern – Epic Lanka (Pvt) Ltd

2025 April – Present

Worked alongside the AI team on several initiatives, focusing on the creation of voice-enabled chatbot systems designed and integrated multilingual capabilities into chatbots, managing backend development and system integration from the ground up. Developed a comprehensive web scraping solution to enhance chatbot knowledge bases with relevant, domain-specific information. Implemented advanced audio processing techniques, including noise and echo suppression, to optimize voice interface performance.

Hatton National Bank- Kandy

2022 March – 2023 February

Gained hands-on experience in the credit and Priority Circle Departments, focusing on banking operations, documentation, client relationship management and credit analysis.

Projects

Frictionless Tracking

[view](#)

Developed an integrated AI-powered platform for real-time workforce safety, attendance monitoring, and asset tracking in construction environments. Combined computer vision, intelligent analytics, and a modern web interface to enhance safety compliance and operational efficiency.

Rag – Based Chat Bot

[view](#)

The web framework **FastAPI**, **Hugging Face BGE Embeddings** for text embeddings and semantic search, **LangChain** for text splitting and data retrieval from **FAISS**, **FAISS** as the vector embedding storage, and **Google Gemini API** for generative AI-based content creation are all used in the development of the chatbot. **Next.js** is used to build the frontend. The chatbot answers questions for users of a website by retrieving data from the site's creator.

Personal Chat Bot

[view](#)

Python is the programming language used in the development of the chatbot, along with **Streamlit** for an interactive web application, **LlamaCPP** for the effective integration and operation of the Llama 2 model, and **LangChain** Schema for organizing AI messages and enhancing conversation flow. It can write lengthy responses and provide explanations using a Hugging Face concept.

Multi Stage Churn Prediction System

[view](#)

Technologies: Python, Scikit-learn, Pandas, ML algorithms, Clustering (DB-Scan, K-Means), XGBoost, Random Forest, LSTMs for prediction

Businesses can take the appropriate action by predicting when users are likely to discontinue using a service. The goal of this project is to find possible users who may leave at various points during their user journey

C&S Auto Care (Online Vehicle Service Management System)

[view](#)

Technologies: React, Tailwind CSS, MongoDB, Express.js, Node.js

Developed an online system for C&S Auto Care (PVT)LTD, a single branch vehicle service center, to enable customer to make

reservations and purchase vehicle spare items online. This project aimed to bridge the gap between physical and online service offerings

Smart Serve (Smart Chafing Dish)

[view](#)

Technology: Arduino

I worked on a hardware project using micro controllers. As the micro controller we used Arduino. This project was to smart a chafing dish. It controls the temperature in certain level. It automatically opens. And also, it senses the water level in the water tray and send message if its low. It senses the weight of the chafing dish and it sense whether the food is available or not

Event Photography System

[view](#)

Technologies: HTML, CSS, Js, PHP and SQL

I worked with a group to develop a commercial event photography system to solve the challenges of finding photographers for events. It can book photographers for events online

Education

BSc(hons) in Artificial Intelligence2023 March – Present

University of Moratuwa

Higher National Diploma in Information Technology2022 June – 2024 July

SLIIT

Dharmaraja College Kandy

Advance Level in English2018 – 2019

ACBT

Certificates

Pretraining LLMs Completion – Offered by DeepLearning.AI

AI/ML Engineer Stage 1 – Offered by SLIIT

Introduction to vector databases – offered by MongoDB university

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Skills

Technical Skills

AI/ML: Model pre training, Predictions and classification Models, NLP, RAG, Scikit-learn, Langchain, Pandas, Transformer model, Computer Vision, Audio processing
Languages: C++, C, Java, Python, HTML, CSS, JavaScript, FastAPI, Next.js
Frameworks: React, Tailwind CSS
Databases: MySQL, MongoDB, Vector databases
Other: Figma, Postman, Arduino, Github, MVC architecture, Web Scraping

Soft Skills

Effective communication, Problem solving & Critical thinking, multi-tasking, time management, Team work & collaboration, creative and innovative

Additional Activities

Karate (1st places in international tournaments 2024, 2019, 1st place in Central Province 2018)

Treasurer in school Sport Council2020 – 2021

Secretary in school ICT society2020 – 2021

Table Tennis captain2017 – 2018

Reference

Available upon Request