

# AMANDI GUNARATHNE

AI/ML Associate | Dean's List Achiever

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## SUMMARY

As an undergraduate pursuing a BSc (Hons) in Artificial Intelligence at the University of Moratuwa, I have developed a solid foundation and hands-on experience in developing impactful projects with IT, AI and ML technologies. I am particularly passionate about Generative AI and have actively worked on projects involving LLMs, RAG, and predictive modelling. With solid technical skills, I thrive in dynamic environments and am eager to apply my skills to drive innovation and contribute meaningfully to the AI/ML industry.

## WORK EXPERIENCE

### Artificial Intelligence and Business Intelligence Intern

April 2025 - Present

Epic Lanka (Pvt) Ltd

- Collaborated with the AI team on multiple projects, including the development of voice-based chatbots.
- Implemented multiple language support for chatbots from scratch, handling both backend logic and integration.
- Built a fully functioning web scraper to enrich the chatbot knowledge bases with domain-specific content.
- Applied noise and echo cancellation techniques to improve audio quality in voice interfaces.

## PROJECTS

### AI/ML based Commit Support System – In Collaboration with 99x

[View](#)

Build an AI/ML-powered system that uses fine-tuning, dynamic RAG, explainable AI and next-word prediction to generate commit messages aligned with company standards by analyzing code changes, improving traceability and team collaboration.

### Multi-Stage User Churn Prediction System – AI/ML Solution for SaaS Models

[View](#)

Built a churn prediction model using XGBoost, Random Forest, and LSTMs to identify users likely to leave at different stages, helping businesses take timely retention actions.

## Smart Sort AI 1.0 – AI/ML Hardware Solution for Automated Waste Sorting

[View](#)

Manual sorting of waste is labor-intensive and not efficient. This project is an improved version of a sorting bin that automates the sorting process using AI and Machine Learning techniques by reducing the burden on sanitization workers.

## C & S Auto Care – Online Vehicle Service Management System

[View](#)

Developed an online system using MERN stack for C&S Auto Care (PVT) LTD, enhancing business efficiency by integrating physical services with online capabilities, allowing customers to make reservations and purchase spare parts seamlessly.

## EDUCATION

### BSc (Hons) in Artificial Intelligence

2023 – 2027

University of Moratuwa, Sri Lanka

### Higher National Diploma in Information Technology

2022 – 2024

Sri Lanka Institute of Information Technology (SLIIT), Sri Lanka

### General Certificate of Advanced Level Examination

2021

Holy Cross College, Gampaha

### Certificate Course in Graphic Designing

2019

National Institute of Business Management (NIBM), Sri Lanka

### General Certificate in Ordinary Level Examination

2018

Wycherley International School

## CERTIFICATES

AI/ML Engineer - Offered by SLIIT

[View Certification](#)

How Transformer LLMs Work – Offered by DeepLearning.AI

[View Certification](#)

Pretraining Large Language Models – Offered by DeepLearning.AI

[View Certification](#)

Introduction to AI and Vector Search – Offered by MongoDB

[View Certification](#)

## SKILLS

**Technical Skills:** Model training, fine tuning and evaluation, Prediction Models (XGBoost, LSTMs, Random Forest), Clustering, LLMs, Knowledge Graphs, RAG, Audio Processing, Vector Databases, Transformers, Langchain, Web scraping, MERN stack, FARM Stack, Python, C/C++, Java, JavaScript

**Soft Skills:** English Proficiency | Team Player | Decision Making | Handling Pressure | Quick Learner

## REFERENCES - Available Upon Request