

AMANDI GUNARATHNE

AI/ML Engineering Intern

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[LinkedIn](#)

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[Portfolio](#)

SUMMARY

As an undergraduate pursuing a BSc (Hons) in AI at the University of Moratuwa while being engaged in an AI internship, I have developed the core skills required to effectively understand the problem and design the appropriate solutions with AI/ML technologies. I am a quick learner particularly passionate about Generative AI. With the industry exposure gained during the internship, I have contributed to multiple agent-based projects, RAG systems, and NLP tasks. I am eagerly seeking opportunities to bring value to the business with my expertise while continuously expanding my knowledge.

WORK EXPERIENCE

Artificial Intelligence Intern

April 2025 - Present

Epic Lanka (Pvt) Ltd, Battaramulla, Sri Lanka

- Collaborated with the AI team on **multiple agent-based projects**.
- Developed voice enabled chatbots with multilingual support for low-resource languages like Sinhala.
- Developed a **web scraper** and knowledge base tool leveraging **GraphRAG concepts** for multi-agent systems.
- Developed document and image processing using OCR techniques and integrated into chatbot workflows.
- Currently developing a **self-maturing, multi-agent AI for sales automation** evolving from zero shot LLM to a hybrid ML system (Now at its mid development stage)

EDUCATION

BSc (Hons) in Artificial Intelligence (Dean's List Achiever)

2023 – Present

University of Moratuwa, Sri Lanka

Higher National Diploma in Information Technology (Dean's List Achiever)

2022 – 2024

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

General Certificate of Advanced Level Examination (Physical Science Stream AAB | Z-Score: 2.1964)

2021

Holy Cross College, Gampaha

General Certificate in Ordinary Level Examination (7As 2Bs)

2018

Wycherley International School

RESEARCH PUBLICATIONS

smartCommit: an AI-powered Commit Message Solution (SLAAI International Conference)

July 2025 - Present

Developed an AI-powered system that automates commit message generation using fine-tuned SLMs and RAG, providing context-aware, standardized messages and intelligent assistance within VS Code to enhance developer productivity.

PROJECTS

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

[View](#)

Built an AI/ML system that uses fine-tuning, dynamic RAG, Agent technology, explainable AI and next-word prediction to generate commit messages aligned with company standards by analyzing code changes, improving traceability and team collaboration. (Contribution: Standardizing the fine-tuned commit message using the dynamic RAG approach)

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

[View](#)

Built a churn prediction system to identify users likely to leave at different stages, helping businesses take timely retention actions. Clustering models like DBSCAN, KMeans were used to cluster the customers at different stages and the predictions were made using Ensemble models. (XGBoost and Random Forest were experimented)

Hybrid AI Itinerary Advisor – Dynamic AI Expert System with Knowledge Agent (Development Ongoing)

[View](#)

Engineered a symbolic AI core and a dynamic knowledge agent that allows the system to do real-time research and use the experta rules engine and advise dynamic, logical travel itineraries for Sri Lanka. The system enforces hard constraints, including monsoon-based weather logic, travel time conflicts, and prerequisite checks.

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.

CERTIFICATIONS

- [AI Agents in LangGraph \(DeepLearning.AI\)](#)[Pretraining Large Language Models \(DeepLeaning.AI\)](#)
- [AI/ML Engineer \(SLIIT\)](#)[Introduction to AI and Vector Search \(MongoDB\)](#)
- [How Transformer LLMs Work \(DeepLearning.AI\)](#)[Neo4j Fundamentals \(GraphAcademy\)](#)

SKILLS

- AI Skills:** Agent-based systems, Model training, fine tuning and evaluation
- ML/DL Models and Clustering:** XGBoost, Random Forest, Linear Regression, Transformers, DBSCAN, K-means
- NLP & LLMs:** LangChain, RAG, Knowledge Graphs (Neo4j), Vector Databases (FAISS)
- Python & Data Science Libraries:** Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn, TensorFlow, PyTorch
- Web Scraping:** Playwright, Selenium, BeautifulSoup, Requests
- Cloud and Tools:** GitHub, Google Cloud, Google Colab, Kaggle Notebooks, Hugging Face
- Full Stack and Other Technical Skills:** MERN stack, FARM Stack, JavaScript, Next.js, C/C++, Java, SQL, OCR, Audio Processing
- Soft Skills:** English Proficiency | Team Player | Decision Making | Handling Pressure | Quick Learner

ADDITIONAL

College Junior and Senior Prefect | Netball Captain | SLMUN Delegate | Senior Band Member | Gavel Club Member

REFERENCES

<p>Professor Thushari Silva Professor in Artificial Intelligence Department of Computational Mathematics Faculty of Information Technology, University of Moratuwa 0768784572 thusharip@uom.lk</p>	<p>Mr. Sadeep Priyankara Senior Software Engineer (Machine Learning) Affiniti Innovations 0766099657 sadeep.p@affiniti.biz</p>
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