

# Lingeswaran Mithurshan

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## Skills

- **Programming:** Python, SQL, JavaScript, HTML
- **AI/ML Tools:** Scikit-learn, TensorFlow, Keras, XGBoost, Hugging Face, Groq API, LangChain
- **Web & Deployment:** Streamlit, Flask, Docker, Git, AWS
- **Data:** Pandas, NumPy, Power BI, Seaborn, Matplotlib, FAISS, Apify SDK
- **Core Areas:** Machine Learning, NLP, Computer Vision, LLMs, Model Deployment

## Education

**B.Sc. Management Studies and Commerce** 02/2023 – 12/2026  
University of Sri Jayewardenepura, Sri Lanka  
**Certified Data Scientist (IIT-M)** 12/2024 – 08/2025  
GUVI, Online

## Professional Summary

Results-driven AI/ML Engineer with expertise in Machine Learning, Deep Learning, and Generative AI, seeking an entry-level AI or Data Science role. Proficient in developing production-ready solutions using Python, TensorFlow, and LangChain, achieving 15% average performance improvements across 5+ projects. Passionate about leveraging LLMs to solve real-world challenges in agriculture, recruiting, and developer tooling.

## Experience

### Novitech R&D Private Limited, Colombo, Sri Lanka

#### AI & ML Intern 05/2024 – 10/2024

- Developed 5 ML models using TensorFlow and Scikit-learn, improving business prediction accuracy by 15%.
- Built LLM-based tools with Hugging Face and LangChain, enhancing NLP task efficiency by 10%.
- Analyzed 10,000+ records with Python and SQL, creating Power BI dashboards that sped up decision-making by 30%.

## Project Highlights

### LLM GitHub Codebase Inspector

06/2023 – 12/2023

- Built a Streamlit app with LangChain, Groq API, and FAISS to clone, chunk, and index GitHub repositories, enabling semantic search and summarization, reducing analysis time by 40% for 10,000+ lines of code. (GitHub)

### AI Resume Assistant + Job Matcher

01/2024 – 06/2024

- Developed a Streamlit app using Groq LLMs and Apify SDK to extract and analyze 500+ PDF resumes with 98% keyword accuracy, integrating with LinkedIn and Naukri for 15% improved job match rates. (GitHub)

### Plant Disease Detection + AI Report

07/2023 – 12/2023

- Fine-tuned VGG16 model with TensorFlow for 90% accuracy on 10,000 leaf images across 15 disease classes; used Groqs Mixtral-8x7b to generate AI reports with treatments, cutting creation time by 50%. (GitHub)

### FineWine-AI: Wine Quality Prediction

03/2022 – 11/2022

- Created an ML model using Scikit-learn to predict wine quality with 92% accuracy on 7,000 samples, providing enhancement and food pairing suggestions adopted by 3 wineries, boosting satisfaction by 10%. (GitHub)

### House Price Estimator (Ikman.lk)

01/2021 – 12/2021

- Developed a regression model with Scikit-learn on 5,000+ Sri Lankan property listings, achieving an  $R^2$  of 0.85; deployed via Flask for interactive price predictions, aiding real estate decisions. (GitHub)