RAMITHA IDDAMALGODA
AI Engineer

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Dalugama, Kelaniya

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https://ramitha.vercel.app

AI-focused Software Engineer with hands-on experience in Machine Learning, Deep Learning, and Generative AI, building and deploying intelligent systems from data pipelines to production-ready APIs. Skilled in developing, fine-tuning, and integrating ML and DL models—including LLM-based and generative solutions—into scalable, cloud-native applications.

EDUCATION

University of Kelaniya | 2023-2027
Bsc. (Hons) Software Engineering - Current GPA: 3.8
- Specialized in Software Engineering and Systems Development

R/Sivali Central College, Ratnapura | 2019 – 2022
GCE Advanced Level Examination - 3As | Z-Score: 2.1
- Stream: Combined Mathematics, Physics, ICT

WORK EXPERIENCE

SyscoLabs Private Limited | 2025-2026
Intern Software Engineer
- Maintained full-stack applications using java, node technologies
- Worked on AWS cloud services for deployment and monitoring
- Implemented CI/CD pipelines and automated deployment processes

PROJECTS HIGHLIGHTS

ResearchAI – RAG Chatbot Azure AI Search & Azure OpenAI
A Retrieval-Augmented Generation (RAG) chatbot built with Streamlit, LangChain, Azure AI Search, and Azure OpenAI that delivers context-grounded, enterprise-grade research responses from indexed knowledge sources.
- https://ramitha.vercel.app/projects/researchai

Sign Language Detector - Computer Vision
A computer vision system that detects and recognizes sign language hand gestures in real time using the YOLOv5 model. The dataset was collected using OpenCV, annotated with LabelImg, trained in Google Colab with GPU acceleration, and deployed locally for gesture detection.
- https://ramitha.vercel.app/projects/sign-language-detector

Multi-Agent AI Blog Writer
An intelligent multi-agent system that automates blog creation by coordinating AI agents for research, outlining, writing, and data visualization using LangGraph and Google Gemini.
- https://ramitha.vercel.app/projects/multi-agent-ai-blog-writer

End to end mlflow pipeline
A machine learning project that predicts diabetes progression using a Random Forest model with hyperparameter tuning and full experiment tracking via MLflow.

- https://ramitha.vercel.app/projects/end-to-end-mlflow-pipeline

AI-SQL-Generator
A full-stack tool that converts plain English into SQL queries, executes them against a MySQL database, and displays results through a UI–powered by any OpenAI-compatible AI model.

- https://ramitha.vercel.app/projects/ai-sql-generator

TECHNICAL SKILLS

- Java
- Spring Boot
- Node.js
- React
- JavaScript
- Typescript
- Next.js
- Python
- Angular
- Vue.js
- TensorFlow
- Scikit-Learn
- Pandas
- Keras
- LangChain
- KangGraph
- OpenAI
- Streamlit
- FastAPI
- MLFlow
- Docker
- Kubernetes
- AWS
- Azure
- GitHub Actions
- Jenkins
- Terraform
- ArgoCD
- Helm
- Bun, Yarn, NPM
- Go
- Nestjs
- MySQL
- PostgreSQL
- MongoDB
- Flutter
- React Native
- Dart
- Kotlin
- Kafka
- SonarQube
- Vercel
- DigitalOcean
- Cloudflare
- Grafana
- Prometheus
- JUnit
- Github
- Jira
- WordPress

CERTIFICATIONS

Amazon Web Services (AWS)
AWS Educate Introduction to Cloud 101

Udemy
Java Masterclass

Kaggle
Intermediate Machine Learning

Kaggle
Intro to Deep Learning

SOFT SKILLS

- Fast Learning
- Work Under Pressure
- Time Management
- Leadership & Teamwork
- Critical Thinking
- Effective Communication

EXTRA CURRICULAR

Director - Information & Technology Unit
Leo club of Univesity of Kelaniya

Junior Treasurer
Software Engineering Student Assosiation

Web Master
IEEE Student Branch - University of Kelaniya

Member
AIESEC - CN

REFERENCES

DR. Nalin Warnajith
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Software Engineering Teaching Unit,
Faculty of Science, University of Kelaniya.
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