

# DULAN JAYAWICKRAMA

## AI Developer

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### SUMMARY

AI Developer with about a year of experience working on RAG systems, Agentic AI, LLMs, vector databases, graph databases and ML solutions for real-world clients. Skilled in leveraging advanced AI tools and technologies to deliver practical outcomes. Possess professional experience in both AI development and full-stack development, with career interests centered on advancing expertise in AI/ML techniques.

### WORK EXPERIENCE

#### AI Developer Trainee, Yenasys (Pvt) Ltd.

May 2025 - Present

- Replaced legacy AI integrations with cost-effective LLM models and cost optimization techniques, reducing operational costs by over 90%.
- Identified limitations of LLMs and integrated external tools, resulting in over 60% accuracy improvement in model outputs.
- Implemented AI-driven voice and image analysis features, enhancing overall user experience.
- Integrated web scraping functionality into RAG systems to enable automated knowledge base creation beyond traditional document uploads, reducing customers' setup time by 50%.

#### Software Engineer Intern, Syntax Genie (Pvt) Ltd.

May 2024 - November 2024

- Contributed to full-stack development of two web applications — an Employee Management Application and an LMS-based application (Learnova).
- Developed a clock-in/clock-out feature for the Employee Management Application, expanding the project scope.
- Performed testing and debugging on both frontend and backend, resolving more than 30 issues.

### EDUCATION

#### Bachelor of ICT in Software Technology, University of Sri Jayewardenepura

2021 - 2025

- First Class Honors

#### Diploma in Software Engineering, Developers Stack Academy

2023 - 2024

### TECHNICAL SKILLS

**AI-related** : RAG, MCP, Generative AI, Agentic AI, Vector Store, Knowledge Graph, LangChain, CrewAI, PyTorch, n8n  
XGBoost, MLflow, Airflow, Pandas, PySpark  
**Languages** : Java, Python, TypeScript, JavaScript  
**Web** : FastAPI, Spring Boot, React, Angular  
**Databases** : Qdrant, Neo4j, MySQL, PostgreSQL

### SOFT SKILLS

Communication, Problem-solving, Analytical thinking, Adaptability, Teamwork, Attention to detail, Proactiveness

### COURSES & CERTIFICATIONS

**Generative AI with Large Language Models**, Coursera  
**Supervised Machine Learning: Regression and Classification**, Coursera  
**Introduction to Containerization**, CoDeKu DevOps Academy  
**Data Structure & Algorithms in Java - Intermediate Level**, Great Learning Academy  
**PyTorch for Deep Learning & Machine Learning**, freeCodeCamp (in progress)  
**Production-Ready Machine Learning Systems**, Zuu Crew (in progress)

### PROJECTS

**Knowledge Graph-based Retrieval-Augmented Generation System** - Research project

**MinuteMate (Agentic AI)** - Transcribe, summarize, and email meeting minutes

Link - <https://bit.ly/4iiDbUn>

**Cipher Message - Android App** - Published on Google Play Store

Link - <https://bit.ly/3Di3pgJ>

**Cafeteria Management System** - Angular, Node.js, Express.js, MySQL

Link - <https://bit.ly/4i7v50v>

**Retail Management System** - Java, JavaFX, MySQL

Link - <https://bit.ly/3DnX5Ow>

### VOLUNTEER WORK

**Finance Committee Member**, IEEE Student Branch - University of Sri Jayewardenepura

2023 - 2024

**Contributor**, Stack Overflow, Link - <https://bit.ly/41mU9JG>

**Author**, AI-focused blog articles on Medium, Link - [medium.com/@dulanjayawickrama05](https://medium.com/@dulanjayawickrama05)