

DULAN JAYAWICKRAMA

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SUMMARY

AI/ML enthusiast with hands-on experience in Retrieval-Augmented Generation (RAG) systems, Agentic AI, knowledge graphs, and emerging AI technologies. Contributed to full-stack development during a Software Engineer internship, gaining practical experience in both frontend and backend systems. Passionate about exploring innovative applications of AI to solve real-world problems. Always eager to learn, adapt, and push the boundaries of what's possible with AI.

WORK EXPERIENCE

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 a LMS-based application (Learnova).
- Developed a clock-in/clock-out feature for the Employee Management Application, expanding the project scope.
- Implemented an Admin Grade Book feature in Learnova LMS, allowing course admins to track student grades.
- Developed frontend components using React with TypeScript, delivering responsive and user-friendly interfaces.
- Built REST APIs and business logic using Spring Boot, integrating with PostgreSQL relational databases.
- Performed testing and debugging on both frontend and backend to ensure functionality and performance.

EDUCATION

Bachelor of ICT in Software Technology, University of Sri Jayewardenepura (GPA - 3.65 / 4)

2021 - 2025

Diploma in Software Engineering, Developers Stack Academy

2023 - 2024

TECHNICAL SKILLS

AI-related : RAG, MCP, Generative AI, Agentic AI, Knowledge Graph, LangChain, CrewAI, Pandas, PyTorch, spaCy

Languages : Java, Python, TypeScript, JavaScript

Web : Spring Boot, React, Angular

Databases : Neo4j, MySQL, PostgreSQL

Other : GitHub, Postman, Swagger

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

Data Structure & Algorithms in Java - Intermediate level, Great Learning Academy

PyTorch for Deep Learning & Machine Learning, freeCodeCamp (in progress)

Machine Learning Specialization, Coursera (in progress)

PROJECTS

Knowledge Graph-based Retrieval-Augmented Generation System - Research project (in progress)

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

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

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>

VOLUNTEERING EXPERIENCE

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

2023 - 2024

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

2023 - present