DULAN JAYAWICKRAMA

GENERATIVE AI ENTHUSIAST

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SUMMARY

Generative AI enthusiast with hands-on experience in Retrieval-Augmented Generation (RAG) systems, knowledge graphs, and AI-driven information extraction solutions. 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.

PROFESSIONAL EXPERIENCE

Software Engineer Intern, Syntax Genie (Pvt) Ltd   **May 2024 - Nov 2024**
- Contributed to full-stack development of two web applications — an Employee Management Application and a LMS-based application.
- 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.

TECHNICAL SKILLS

LLM	LangChain	Java	PyTorch	MySQL	Communication
RAG	spaCy	Python	Spring Boot	PostgreSQL	Problem-solving
Knowledge Graph	Neo4j	TypeScript	React	GitHub	Adaptability

EDUCATION

Bachelor of ICT in Software Technology   **2021 - 2025**
University of Sri Jayewardenepura, GPA - 3.65 / 4
Diploma in Software Engineering   **2023 - 2024**
Developers Stack Academy

CERTIFICATIONS

Generative AI with Large Language Models, Coursera
Data Structure & Algorithms in Java - Intermediate level, Great Learning Academy
PyTorch for Deep Learning & Machine Learning, freeCodeCamp (in progress)

PROJECTS

Knowledge Graph-based Retrieval-Augmented Generation System - Research project (in progress)
Cipher Message - Android App - Published on Google Play Store   Link -   *https://bit.ly/3Di3pqJ*
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**
Member, Generation ALPHA,   **2024 - present**

REFERENCES

Dr. P.L.M. Prabhani   **Mr. Lahiru Jayakody**
Head / Senior Lecturer in Department of ICT,   Software Architect,
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