



AVISHKA KOSWATHTHA

Entry-Level Data Engineer

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EDUCATION

BSc.Eng (Hons) in Computer Engineering, University of Ruhuna.

(2021 - 2025)

EXPERIENCE

Intern Software Engineer | eSupport Technologies PVT(LTD)

(08/2024 - 02/2025)

- Collaborated with teams to develop multiple web applications, serving as the lead developer for a Dice Game project built with Laravel.

TECHNICAL SKILLS

- Language - Python
- Databases - MySQL, PostgreSQL, MongoDB
- ETL Tools - Apache Airflow
- Big Data Frameworks - Spark, Hadoop, Kafka
- Data Warehouse - Snowflake
- Cloud Technologies - AWS
- AI/ML

NON-TECHNICAL SKILLS

- Problem solving with critical thinking
- Team working and dedication
- Work under pressure
- Creative design

PROJECTS

AI-AIDED LOAN DEFAULT PREDICATION MODEL FOR SMALL SCALE FINANCIAL INSTITUTIONS

- Ongoing final year undergraduate group project.
- Contributing to the design and development of machine learning models for loan default prediction.
- *Technologies* | **Machine Learning, Advanced AI**

END TO END E-COMMERCE ETL PIPELINE

- Built an end-to-end eCommerce ETL pipeline using Apache Airflow to automate the extraction, transformation, and loading of product, transaction, and user data from CSV files into a PostgreSQL database
- *Technologies* | **Python, PostgreSQL**

REAL-TIME PATIENT MONITOR SYSTEM

- A real time patient monitor system built using PostgreSQL, Debezium, Kafka, and Spark enabling a dashboard to display continuous patient status updates.
- *Technologies* | **Python, Kafka, Debezium, Spark**

CARBON FOOTPRINT CHATBOT

- Developed a domain-Specific Chatbot on Carbon Footprint with LoRA fine-tuned Mistral 7B that capable of answering related questions using a RAG pipeline. (FAISS + Hugging Face)
- *Technologies* | **Advanced AI, Flask**

REFERENCES

Dr Keerthi Gunawickrama, Senior Lecturer,
Department of Electrical and Information Engineering, University of Ruhuna.
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