AVISHKA KOSWATHTHA

AI Engineer

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PROFESSIONAL SUMMARY

Enthusiastic Computer Engineering student with eager to contribute to a data-driven organization as an AI Engineer by applying impactful, production-ready AI solutions.

WORK EXPERIENCE

Intern Software Engineer | **August 2024 – January 2025**

eSupport Technologies (PVT) LTD

Collaborated in developing multiple full-stack web applications and led development of a Dice Game project using Laravel and MySQL.

EDUCATION

BSc.Eng (Hons) in Computer Engineering, University of Ruhuna. **| 2021-2025**

TECHNICAL SKILLS

Language – Python

Databases - MySQL, PostgreSQL, MongoDB

Big Data Frameworks - Spark, Hadoop, Kafka

ETL Tools - Apache Airflow

Cloud Technologies – AWS

AI/ML – Numpy, Pandas, Hugging Face

PROJECTS

End-to-End eCommerce ETL Pipeline

- Built a complete ETL workflow using Apache Airflow for automated ETL data process from CSV sources into PostgreSQL. | Python, PostgreSQL, Airflow

Real-Time Patient Monitoring System

- Developed a real-time data streaming pipeline enabling live dashboard updates on patient vitals. | Python, Spark, Kafka, Debezium

AI-Aided Loan Default Predication for Small-Scale Financial Institutions

- For the final year undergraduate project, contributed to design and train the ML models to predict loan default risk. | Machine Learning, Advanced AI

Carbon Footprint Chatbot

- Created a domain-specific AI chatbot using LoRA fine-tuned Mistral 7B model with a RAG pipeline. | Flask, Python, Hugging Face, FAISS

REFERENCES

Dr Keerthi Gunawickrama, Senior Lecturer from University of Ruhuna.

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