AJANIYA KAMALANTHAN

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ABOUT ME

Data Science undergraduate with foundational knowledge in data engineering concepts, including ETL pipelines, relational and NoSQL databases, and data warehousing. Experienced in Python, SQL, and working with large datasets to design efficient data workflows. Seeking a Data Engineering internship to strengthen skills in scalable data systems and backend data processing.

EDUCATION

BSc (Hons) in Information Technology   2023 – Present
Sri Lanka Institute of Information Technology (SLIIT)
- BSc (Hons) in Information Technology Specialising in Data Science
- CGPA-2.95
- I Completed the Higher Diploma in Information Technology

SKILLS

Programming & Query Languages
- Python, SQL

Data Engineering Concepts
- ETL Pipeline Design, Data Warehousing (Basics), Data Modeling

Big Data & Cloud
- Apache Spark (Basics), Hadoop (Basics), AWS (Foundational)

Tools & Platforms
- Git, GitHub, Jupyter Notebook, Visual Studio Code

Databases
- MySQL, PostgreSQL, SQLite, MongoDB

PROJECTS

Password Safety Al 2025 🔗
- Designed data pipelines to process password inputs and generate structured data for ML classification.
- Integrated backend APIs using Flask to ensure efficient data flow between components.

CO2 Emission Prediction By Vehicles 2025 🔗
- Built a data preprocessing pipeline to clean, transform, and prepare vehicle emission data for modeling.
- Managed data storage and model integration for scalable prediction workflows.

Car Resale Price Prediction System 2025 🔗
- Implemented a Python-based data processing workflow to prepare structured datasets for ML consumption.
- Ensured smooth integration between data processing, model execution, and frontend deployment.

Hotel Management System 2024 🔗
(MERN Stack - React, Node.js, Express, MongoDB)
- Designed and managed MongoDB schemas and backend APIs using Node.js and Express.
- Implemented CRUD operations and ensured efficient data storage and retrieval.

CERTIFICATES

Python for Beginners at the University of Moratuwa (CODL)

Machine Learning Pipelines with Azure ML Studio at Coursera

AWS Academy Graduate - AWS Acedemy Cloud Foundations

Create Your First Python Program From UST at Coursera

REFERENCES

Mr. Prasanna Sumathipala, *Senior Lecturer. Data Science Program Coordinator*, SLIIT - Faculty of Computing
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Mr. S. M. B. Harshanath, *Lecturer*, SLIIT - Faculty of Computing
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