

AJANIYA KAMALANTHAN

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ABOUT ME

Data Science undergraduate with practical experience in data analysis, exploratory data analysis (EDA), and machine learning model development. Skilled in Python, SQL, data visualization, and transforming raw data into actionable insights. Passionate about leveraging data-driven approaches to support business and analytical decision-making in a Data Science internship role.

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, R

Data Visualization

- Power BI, Matplotlib, Seaborn, Excel

Analytics

- Data Cleaning & Preprocessing, Exploratory Data Analysis (EDA), Feature Engineering, Statistical Analysis (Descriptive)

Machine Learning

- Regression & Classification Models, Model Evaluation & Validation

PROJECTS

Password Safety AI 2025

- Analyzed password datasets and applied NLP-based preprocessing techniques to extract meaningful features.
- Built classification models and evaluated results to improve password strength detection accuracy.

CO2 Emission Prediction By Vehicles 2025

- Conducted data cleaning and exploratory data analysis (EDA) on vehicle emission datasets.
- Built predictive models to identify relationships between vehicle features and CO₂ emission levels.

Car Resale Price Prediction System 2025

- Performed EDA to uncover key factors affecting used car resale prices.
- Built and evaluated machine learning models and visualized trends to support data-driven insights.

Hotel Management System 2024

(MERN Stack - React, Node.js, Express, MongoDB)

- Analyzed booking and customer data to understand usage patterns and operational trends.
- Supported data preparation and visualization for management-level insights.

CERTIFICATES

Python for Beginners at the University of Moratuwa (CODL)

Machine Learning Pipelines with Azure ML Studio at Coursera

AWS Academy Graduate - AWS Academy 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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