

AJANIYA KAMALANTHAN

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ABOUT ME

A self-motivated, adaptable team player, hardworking and enthusiastic IT undergraduate passionate about BSc (Hons) in Information Technology Specialising in Data Science. I possess strong interpersonal skills and resilience to work long hours in challenging corporate environments and contribute towards the achievement of a common goal. I am eager to be challenged in order to grow and further improve my professional skills.

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
(Student Ref No - IT23158740)

G.C.E. Advanced Level - Physical Science Stream

2021 – 2022

BT/Valaichenai Hindu college

Subjects: Combined Maths - C, Physics - C, Chemistry - C

PROJECTS

Password Safety AI 2025 🔒

- Built a Password Safety AI system using machine learning and NLP techniques to detect weak, strong, and compromised passwords. Developed in Python with Flask, integrating real-time strength evaluation, breach checks, and user-friendly feedback to enhance security awareness.

CO2 Emission Prediction By Vehicles 2025 🔎

- Machine Learning developer skilled in predictive analytics and model deployment. Built a CO2 Emission Prediction system for vehicles, applying regression algorithms, feature engineering, and dataset preprocessing to estimate emissions accurately. Deployed the model with pickle integration and designed a user-friendly interface for real-time predictions.

Car Resale Price Prediction System 2025 🔎

- Developed an end-to-end machine learning web application that predicts the resale price of used cars based on key features such as present price, mileage, ownership history, fuel type, and transmission. Trained a Random Forest regression model for accurate price estimation and deployed it using Streamlit with an interactive, user-friendly interface and visual performance insights.

Hotel Management System 2024 🔎

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

- Developed a customer-side hotel booking system and admin-side Booking management and Event Management and Additional Services Management platform.

SKILLS

Data Modeling, Data Mining, Machine Learning, Deep Learning, Data Visualization, Natural Language Processing, Data Analysis, Microsoft Outlook, Data manipulation, Data security, Data warehouse concepts (ETL), Syntax and semantic analysis, Model Training, feature Extracting, Flask api, django, Machine Learning, Fine tuning

DATA BASES

- SQL Server (PL-SQL), MySQL, Oracle (ORDB), SQLite, SQL Server, PostgreSQL, SQL

LANGUAGE & FRAMEWORK

- Python, JavaScript, R, Spark, Tensorflow, PyTorch, Keras & Spark MLLib

TOOLS

- Power BI, SSRS, SSDT, SSIS, VS Code, AWS, Azure, Hadoop, PyCharm, R Studio, Excel Visual Studio code, Jupyter note book, Google Collab

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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DECLARATION

I hereby declare that the above particulars are true and accurate to the best of my knowledge and in the event of chosen, shall endeavor to carry out my duties to the best of my abilities.



Ajaniya Kamalanathan