



Pasindu Sandeepa

Machine Learning Developer

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PROFILE

A passionate diploma student deeply invested in the realm of data science and emerging technologies. Recognized for enthusiasm, adaptability, and a proactive team-oriented mindset. Currently honing expertise in machine learning, deep learning, and data analysis tools, driven by a fervent ambition to excel in the field of data science. Eager to leverage acquired skills and knowledge as a data science intern, contributing to impactful projects and furthering innovation in the field.

Education

University of Moratuwa NDT, informationTechnology Feb2023–Present

- I am currently enrolled as a student at the Institute of Technology, University of Moratuwa, pursuing a comprehensive program in Information Technology.

Rajapakse Central College, Weeraketiya 2011–2019

- GCE ADVANCED LEVEL (2019) - PHYSICAL SCIENCE STREAM Combined Mathematics C | Chemistry C | Physics C
- GCE ORDINARY LEVEL (2016) A-6 B-1 C-1

Experience

Junior Marketing and Operations Executive, TechnodoraPvtLtd·Part-time Dec2023–Apr2024

- As a Junior Marketing and Operations Executive at Technodora Pvt Ltd, I wear many hats. From crafting engaging social media strategies to ensuring our financial records are pristine through Odoo Sales, I thrive on analyzing data for actionable insights and maintaining competitive pricing and inventory. Facilitating smooth new product launches and fostering effective dealer communication are also integral parts of my role. Committed to propelling our brand forward while maintaining operational excellence, I am driven by the challenge of pushing boundaries and achieving measurable results.

Marketing Executive, RedragonSriLanka·Part-time Jun2024–Aug2024

- Developed and executed targeted media marketing campaigns, creating engaging content to boost brand visibility and sales. Analyzed sales data to identify trends, provided actionable insights for inventory management, and recommended strategic marketing focuses based on product performance

Projects

House Price Prediction Machine Learning Project House Price Prediction

- House Price Prediction Using Machine learning algorithms • Tools Used : Python, Pandas, NumPy, Matplotlib, Seaborn, Plotly, Scikit-learn, Label Encoding, OneHotEncoding, StandardScaler, Train-TestSplit, RidgeRegression, LassoRegression, RandomForestRegressor, MeanSquared Error (MSE), R-squared (R^2), Cross-validation

ESP32-CAM Object Detection with YOLO and Voice Output ESP32-CAM Object Detection

- This project integrates an ESP32-CAM module with Python for real-time object detection using the YOLOv3-tiny model. The ESP32-CAM streams images via a web server, and the Python script detects objects and announces them using pyttsx3. It supports multiple resolutions and provides real-time feedback.
- Tools Used: ESP32-CAM, Arduino IDE, Python, opencv-python, numpy, pyttsx3, YOLOv3-tiny model (weights and config)

GPT-2 Chatbot GPT-2 Chatbot

- This contains a simple web application for a chatbot built using the GPT-2 language model from Hugging Face's

Transformers library. The chatbot is capable of generating human-like text responses based on the input it receives, making it suitable for various conversational AI applications. Additionally, you can find my CV in this repository, showcasing my skills and experiences related to this project.

Movie prediction Python

Movie prediction



- Predictive modeling for movie ratings using various machine learning algorithms including Support Vector Regression (SVR), K Neighbors Regressor, Decision Tree Regressor, Random Forest Regressor, and Linear Regression. The project leverages Python's data science libraries for data preprocessing, feature engineering, model training, and evaluation



Portfolio

Portfolio

- I created a personal portfolio website using React to showcase my skills and projects. The site features a responsive design with interactive components, highlighting my web development experience and proficiency in modern technologies.

Reference

Dr.M.S. Kalpana Galappaththi
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