MARIS R

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LinkedIn | Github

Education

MEPCO SCHLENK ENGINEERING COLLEGE, SIVAKASI
Artificial Intelligence and Data Science Bachelor of Technology 2022 - 2026
CGPA: 7.74(upto 6th sem)

STAR MATRICULATION HIGHER SECONDARY SCHOOL, THOOTHUKUDI
Tamil Nadu, India
Degree in HSC 2021 - 2022
Percentage: 90%

PAUL MATRICULATION SCHOOL, THOOTHUKUDI
Tamil Nadu, India
Degree in SSLC 2019 - 2020
Percentage: 96.2%

Skills

Programming Languages:	Java, Python, Javascript , HTML, CSS
Libraries/Frameworks:	TensorFlow, Scikit-learn, Nodejs, React
Databases:	MySQL, Neo4j, MongoDB
Data Manipulation Language:	Pandas, Numpy
Data Visualization Tools:	Tableau

Projects

Automated Chest X-Ray Report Generation **Streamlit, Keras**
Developed a pipeline that get image from the user and report about the chest . I used Densenet for image preprocessing and LSTM for text generation. Image features of XRay from Densenet is given to LSTM and it generate text embedding and it convert to text format.

Movie List App **React, Javascript**
Developed a movie exploration app using React, enabling users to browse popular movies, search by title, and mark favorites. Designed a modern, responsive UI with smooth interactions for an intuitive user experience.

AI Medical Advisor **Stremlit, Bert, Scikit Learn, Pytorch**
Users can ask health-related queries, and a fine-tuned BERT model predicts the disease. Then, the user's data and the predicted data are used to provide diagnostic advice using a Random Forest model.

Next Word Prediction **Streamlit, Keras**
The next word can be predicted based on user input using a trained small corpus. An LSTM model is used to predict the next word because it is the best sequential model, predicting the next word based on the sequence of words.

Customer Churn Predicton **Jupyter Notebook, Keras**
The project utilizes an artificial neural network (ANN) built with TensorFlow and Keras to predict customer churn. The model processes customer data, learns complex patterns, and classifies whether a customer is likely to leave (churn) or stay with the business.

Sentimental Analysis for Movie Review **Streamlit , Scikit Learn**
Developed a Streamlit web app for sentiment analysis using the Multinomial Naive Bayes model trained on IMDB data. Used CountVectorizer to turn text into n-gram features for classification..Enabled real-time sentiment prediction by processing user input and displaying results as positive or negative statements.

French to English Translation **Streamlit, Keras**
Developed a Streamlit app to translate French text to English. The model was trained using an embedding layer, LSTM, and fully connected layers. The app provides a user-friendly interface for seamless translation.

Certifications

BRITISH AIRWAYS - Data Science Job Simulation - Forage

AWS Certified Cloud Practitioner

NPTEL - Design & Implementation of Human-Computer Interfaces

NPTEL - Programming With Java

IEEE – Technical English for Professionals

Honors & Awards

1st place at Data Visualization Challenge in Thiran'25 at Sri Eshwar Engineering College.

Top 5 at AI arena Model Showdown Challenge in Thiran'25 at Sri Eshwar Engineering College.

Attended Data Hackathon at Bannari Amman Institute of Technology.

Attended Data Science Learnathon by GUVI.