Abhishek Sriram

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PROFILE SUMMARY

Motivated data enthusiast proficient in Python, SQL, and Machine Learning, seeking entry-level data science roles. Skilled at transforming data into actionable insights that drive business impact. Experienced in collaborating within dynamic, fast-paced environments.

WORK EXPERIENCE

Infosys Springboard ↗   **Oct 2024 - Dec 2024**
Artificial Intelligence Intern   *Remote*

- Developed an AI-driven stress detection system, analyzing physiological data to classify human stress levels.
- Performed data preprocessing and visualization using python libraries such as Pandas, Matplotlib and Seaborn. Built an Artificial Neural Network (ANN) model, achieving model accuracy of **93.3%**.
- Engineered a Django-based web application integrated with the model and MySQL for real-time stress prediction and seamless data management.

Feynn Labs ↗   **Aug 2024 - Oct 2024**
Machine Learning Intern   *Remote*

- Conceptualized an AI-powered real estate property valuation application that uses machine learning algorithms to estimate property prices, improving decision-making for buyers, sellers, and investors.
- Conducted an in-depth segmentation analysis of the Indian EV market using PCA and K-Means clustering, providing insights into customer segments and market trends for manufacturers to optimize business strategies.
- Developed an AI-driven crop management system utilizing machine learning models such as Linear Regression and Random Forest to predict crop yields and generate pest/disease alerts, aiding small-scale farmers in improving productivity.

EDUCATION

SRM Institute of Science and Technology   **Aug 2023 - Present**
Master of Technology in Data Science, ***CGPA: 9.3/10***   *Chennai, India*

SASTRA Deemed University   **Jul 2018 - Jun 2022**
Bachelor of Technology in Electrical and Electronics Engineering   *Thanjavur, India*

SKILLS

Programming Languages: Python, C++

Tools and Libraries: Pandas, NumPy, Scikit-learn, TensorFlow, Keras, Matplotlib, Seaborn.

Databases: SQL (MySQL), NoSQL (MongoDB)

ML and DL Algorithms: Linear Regression, Logistic Regression, Decision Trees, KNN, Naive Bayes, Ensemble Methods (Random Forest, Gradient Boosting), Clustering (K-Means, DBSCAN), Neural Networks (MLP, RNN, CNN)

Soft Skills: Communication, Teamwork, Leadership, Problem-solving, Critical Thinking.

PROJECTS

Sentiment Analysis - Movie Reviews ↗   **Oct 2024 - Nov 2024**

- Built an end-to-end sentiment analysis pipeline to classify IMDB movie reviews as positive or negative using Natural Language Processing (NLP) and machine learning.
- Applied preprocessing techniques such as text cleaning, stop-word removal, and stemming for 50,000 reviews.
- Extracted features using Bag of Words (BOW) and built Long Short-Term Memory (LSTM) model achieving an accuracy of **87%** and deployed the model for real-time predictions using pickle.

Personalized Online Course Recommender System ↗   May 2024 - Jun 2024

- Conducted Exploratory Data Analysis (EDA) on course popularity and user engagement patterns.
- Developed a recommendation engine leveraging clustering techniques such as K-Means and DBSCAN to cluster users and courses.
- Improved user engagement and learning outcomes through tailored recommendations, enhancing overall learning outcomes by **40%**.

SpaceX Falcon9 Landing Prediction ↗   Mar 2024 - Apr 2024

- Collected data through APIs and web scraping, and performed Exploratory Data Analysis (EDA) and data preprocessing.
- Applied machine learning algorithms such as Logistic Regression, Decision Trees, and KNN to identify patterns in flight performance and landing outcomes, with the Decision Tree classifier achieving **91.11%** accuracy.
- Identified key performance indicators (KPIs) such as payload mass and orbit type, enabling competitors to refine their launch strategies.