Kiruthika M

Data Scientist

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👤 PROFILE

As a passionate and determined Data Science professional returning after a career gap, I am eager to leverage my expertise in data analysis, machine learning, and statistical modeling to drive impactful insights. I worked on projects involving data cleaning, predictive modeling, and data visualization, achieving measurable improvements in decision-making processes. Motivated by a love for problem-solving and continuous learning, I bring strong skills in Python, SQL, and machine learning algorithms. I am excited to contribute my abilities to a dynamic team and grow in the data science field.

🎓 EDUCATION

10th std - St.Mary's Girls' Hr.Sec.School ⬈ with 91% , 2011-2012
12th std - St.Mary's Girls' Hr.Sec.School ⬈ with 82% ,2013-2014
UG degree - BE(Electronics and Communication Engineering) at Muthayammal college of Engineering with 71% , 2014-2018

📁 PROJECTS

Redbus Data Scraping with Selenium & Dynamic Filtering using Streamlit,
   Skills - Web Scraping using Selenium, Python, Streamlit , SQL
- *The "Redbus Data Scraping and Filtering with Streamlit Application" aims to revolutionize the transportation industry by providing a comprehensive solution for collecting, analyzing, and visualizing bus travel data.*
- *By utilizing Selenium for web scraping, this project automates the extraction of detailed information from Redbus, including bus routes, schedules, prices, and seat availability.*

DataSpark: Illuminating Insights for Global Electronics
   Skills - Data Cleaning and Preprocessing, EDA,Python, Data Management using SQL, Power Bi/Tableau
- *By analyzing Global Electronics' customer, product, sales, and store data, aim to identify key insights that will enhance marketing strategies, optimize inventory management, and improve sales forecasting.*
- *This will help tailor marketing campaigns, develop better products, plan effective promotions, and decide on store expansions and optimizations.*

Car Dheko - Used Car Price Prediction
   Skills - Data Cleaning and Preprocessing,EDA,ML models, Streamlit Application
- *The aim is to enhance the customer experience and streamline the pricing process by leveraging machine learning.*
- *Need to create an accurate and user-friendly streamlit tool that predicts the prices of used cars based on various features for both customers and sales representatives to use seamlessly.*

Microsoft : Classifying Cybersecurity Incidents with Machine Learning
   Skills - Data Preprocessing, ML Classification Techniques,Handling Imbalanced Datasets, Models Training
- *It tasked with enhancing the efficiency of Security Operation Centers (SOCs) by developing a machine learning model that can accurately predict the triage grade of cybersecurity incidents as true positive (TP), benign positive (BP), or false positive (FP) based on historical evidence and customer responses.*
- *The model should be robust enough to support guided response systems in providing SOC analysts with precise, context-rich recommendations.*

Dominos - Predictive Purchase Order System
Skills - Data cleaning and preprocessing,EDA,Time series forecasting,Predictive modeling

- *Dominos wants to optimize the process of ordering ingredients by predicting future sales and creating a purchase order.*
- *By accurately forecasting sales, Dominos can ensure that it has the right amount of ingredients in stock, minimizing waste and preventing stockouts.*
- *This project aims to leverage historical sales data and ingredient information to develop a predictive model and generate an efficient purchase order system.*

ChefMate: Restaurant Clustering & Cooking Guide Application
Skills - Data cleaning and preprocessing,ML model training (clustering),AWS services (S3, RDS, EC2), Streamlit application,Building dynamic user interfaces,Chatbot integration for user interaction

- *Build an intelligent application that clusters and recommends restaurants based on user input, such as cuisine or dishes, and integrates a chef-like chatbot assistant for guiding users in preparing recipes.*