DEVRAJ RAJU MUTRASI

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PROFESSIONAL SUMMARY

Enthusiastic and motivated individual with a strong foundation in **machine learning algorithms** and **data analysis**. Adept at learning quickly and adapting to new technologies, with a passion for leveraging analytical skills to drive meaningful insights and innovations. Quick to learn and adapt, with a strong enthusiasm for contributing to impactful projects and advancing data-driven solutions in a dynamic team environment.

SKILLS

- **Technical Skills : Machine Learning Algorithms**(Supervised and Unsupervised), **ML Concepts** (Cross validation techniques, Evaluation Metrics, Hyperparameter tuning, Feature Engineering, Algorithm/model Documentation), **Model selection and Evaluation**(Classification & Regression Model analysis)
- **Analytical Skills : Exploratory Data Analysis**(EDA), **Data Preprocessing Techniques**(data augmentation, data handling), **NLP text preprocessing(**Tokenization, lemmatization, Text classification), **LLMs analysis**, **ETL**(extraction, transformation, loading), **Statistics**(central tendency, measure of dispersion), **Power BI**, **Advance Excel**, **Power Query**, **SQL**
- **Frameworks / Library : NumPy**, **Pandas**, **Scikit-Learn**, **Matplotlib & Seaborn**, **NLP**(NLTK, SpaCy & Vader)
- **Language : Python**, **JavaScript**

EXPERIENCE

Customer Support Executive, Fraazo *July 2021 – August 2022*

- Delivered exceptional customer service by addressing and resolving product or app-related queries, ensuring high customer satisfaction.
- Achieved an average customer rating of **4.5** out of **5** through effective problem-solving and communication skills.

EDUCATION

Bachelor of Science Information Technology *June 2020 -May 2023*
Cosmopolitan Valia College Of Commerce And Science

Class 12th - HSC *June 2018 – March 2020*
Shri G.P.M College Of Commerce And Science

Class 10th - SSC *March 2018*
Divine Light High School

PROJECTS

Stellar Object Prediction

- Engineered a machine learning model to classify astronomical objects into galaxies, stars, and quasars.
- Leveraged **Support Vector Machine (SVM)**, **Decision Tree**, and **Random Forest** algorithms to build and evaluate robust classification models.
- Conducted thorough data preprocessing and feature engineering to optimize model accuracy and performance.
- Successfully demonstrated the ability to apply and compare various classification techniques for precise and insightful differentiation of celestial objects.

Insurance Customer Response Prediction

- Designed and implemented a machine learning solution to forecast insurance customer responses using **Logistic Regression**, **SVM**, **Random Forest**, and **XGBoost**.
- Applied data preprocessing and feature engineering to refine model performance.
- Effectively evaluated and compared various algorithms to deliver accurate and actionable predictions.

Heart Disease Prediction

- Created a machine learning model to predict the risk of heart disease using **Logistic Regression**, **SVM**, **Decision Tree**, and **Random Forest**.
- Analysed health data to assess the likelihood of developing heart disease in the future.

CERTIFICATIONS

Data Science & Artificial Intelligence by Boston Institute of Analytics