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Location: Hyderabad, Telangana.

LAKSHMI SAI TEJA DHARMADA

Summary:

Experienced data scientist with a strong foundation in programming, database management. Leveraging 1+ years of expertise in data analysis, machine learning to excel as a Senior Process Executive at **COGNIZANT**. Proven track record of transforming data into actionable insights and contributing to cross-functional teams.

Work Experience:

Data Scientist | Turing Minds.AI | Hyderabad, Gachibowli | June/2022 –Apr/2023

- Leveraged Python and SQL to analyse complex datasets and extract valuable insights, resulting in optimising business strategies.
- Collaborated with Data engineers and cross-functional teams to integrate data solutions into products.
- Assisted in data preprocessing and feature engineering for machine learning projects.
- Utilized Git for version control and collaborated with team members to maintain codebase.

Education:

B-Tech – Mechanical | BVC Institute of Science and Technology | A.P, Amalapuram | May/2018 – Apr/2022

Intermediate – MPC | Sri Chaitanya Junior college amalapuram | A.P, Amalapuram | May/2016 – Apr/2018

SSC | Sri Satya Sai Vidya Nikethan High School | A.P, Amalapuram | May/2015 – Apr/2016

Certifications:

- ***Post Graduate Program Computational Data Science*** | **Case Western Reserve University** through **UpGrad INSOFE**
- ***Python Programming*** | **BVCITS CodeTantra**
- ***C Programming*** | **BVCITS CodeTantra**
- ***-Python, Web Development FOR EVERYONE HTML 5, CSS 3*** | **COURSERA.**

SKILLS & EXPERTISE

Languages	**: Python, SQL, C, HTML 5**
Data Analysis	**: Pandas, NumPy, Scikit-Learn, JSON**
Data Visualization	**: Tableau, Power BI, ,MS Excel, Matplotlib, Seaborn**
Machine Learning	**: Supervised, Unsupervised Learning**
Tools | OS	**: MYSQL, GitHub | Linux**

Projects:

Regression with Tabular Paris Housing Price Dataset

Rank: 40 | Top 6%

Purpose: To predict the price of houses in Paris

• Conducted data cleaning and pre-processing along with visualization.

• Analysed various attributes (house features) and their relationship with target (house price)

•Constructed various machine learning regression models

Sales Forecasting for Small Basket

Objective: Developed a predictive model to Predict the number of sales for a given item for the given dates

• Developed a predictive model to forecast sales using a large-scale dataset of over 100 million records.

• Employed advanced feature engineering techniques to enhance model performance.

• Reduced memory usage by 65% using custom functions and optimized data types.

• Utilized data visualization to communicate insights effectively.

• Employed various Regression Algorithms, including Decision Trees, and Random Forest, xgboost, to forecast sales.

Merchant Fraudulent Detection

Objective: Developed a predictive model to identify fraudulent merchants for an e-commerce platform, utilizing machine learning techniques and data analysis.

• Leveraged Python and machine learning libraries to build a robust model that predicts whether a merchant is fraudulent or not.

• Conducted extensive exploratory data analysis using visualizations in Jupyter notebook, extracting valuable insights from the dataset.

• Processed and prepared data by handling missing values, encoding categorical variables, and standardizing features.

• Addressed class imbalance using the Synthetic Minority Over-sampling Technique (SMOTE) to improve model performance.

• Employed various classification algorithms, including Logistic Regression, Decision Trees, and Random Forest, to predict merchant fraudulency.

Design and Fabrication of Artificial Intelligence based Electric Vehicle

Objective: Develop an autonomous electric vehicle system to enhance automation and reduce human intervention.

• Spearheaded the structural design of the vehicle, optimizing load-bearing capacity and distribution for optimal performance.

• Orchestrated the integration of mechanical, electrical, and electronic elements, ensuring harmonized load equilibrium.

• Implemented cutting-edge technology, including Raspberry Pi 4, relay circuitry, and ultrasonic sensors, to enable obstacle detection and safe passenger navigation, reaffirming a commitment to passenger safety and well-being.

GitHub : https://github.com/saitejadl | Kaggle : https://www.kaggle.com/saitejadharmada