**KUNAL ANARSE**

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**PROFESSIONAL SYNOPSIS:**

**Having 2+ years of experience in building models on Supervised and Unsupervised ML**

**and DL algorithms along with hands-on experience on python libraries like Pandas, Numpy,**

**Scikit-learn, Keras, TensorFlow, OpenCV, Matplotlib, Seaborn etc.**

**TECHNICAL SKILLS:**

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| --- | --- |
| **Skills** | Machine Learning, Statistics, Data Visualization, NLP, Image Processing, Deep Learning, Data Mining, Data Structure, Object Oriented Programming |
| **Programming Languages** | Python, HTML, CSS, JavaScript |
| **Database** | MYSQL |
| **Web Framework** | Flask |

**WORK EXPERIENCE:**

* **Kantar GDC India Private Limited**

**Data Processing Programmer**

03/2019 – 03/2021

* Built ML models using **Supervised, Unsupervised** Algorithms.
* Performed preliminary data analysis using descriptive statistics and handled anomalies such as removing duplicates and imputing missing values.
* Application of various ML like **decision trees, natural language processing (NLP), supervised and unsupervised, regression models, neural networks, deep learning, SVM, clustering** to identify volume using **Scikit-learn** package in python.
* Performed **Data Cleaning, features scaling, features engineering** and ensured data quality, consistency, integrity using **pandas** and **NumPy** packages in python.
* Explored and analysed the customer specific features by using **Matplotlib, Seaborn** in Python.
* Identified problems with customer data and developed cost-effective models by the root cause analysis.
* Communicate the results with operations team for taking best decisions and Collect data needs and requirements by interacting with the other departments.
* Received positive impact award in Q4 2019.

**DATA SCIENCE PROJECTS:**

* **CreditRisk (Loan Status Probability)**
* Problem Statements were to create a predictive model which can predict the loan status and a model for running a marketing (sales campaign) for the good customers.
* Built multiple models including Logistic Regression, Decision Tree and Random Forest with Grid Search and Cross Validation, Adaboost taking into consideration various significant features in Python using Pandas, Numpy Scikit-Learn and plots for data visualization.
* Placed various significant\important features using feature selection techniques to build a generalised model with improved model performance.
* **Trip Advisor Review**
* Developed NLP models for Topic Extraction, Sentiment Analysis.
* Worked with NLTK library to NLP data processing and finding the patterns.
* Categorize comments into positive and negative clusters using Sentiment Analysis and Text Analytics.
* Also analysing coming trends in outdoor dining and influences.
* Worked on data pre-processing (bag of words), PorterStemmer for stemming of words and lemmatization.
* Evaluating multiple algorithms like Multinomial Naive Bayes, Decision tree for better performance containing more than 7000 reviews.

**PERSONAL PROJECTS:**

* **Used Car Price Prediction**
* Built a model to estimate price for used cars by considering various factors like car type, mileage, fuel type, kilometer driven etc.
* EDA and data pre-processing done in Python using Pandas, Numpy Scikit-Learn.
* Extracted various significant features using feature selection techniques, the main task here was to create the number of years for using the registered year for a car.
* Algorithm used were Linear regression, Ridge Regression, Decision Tree Regression and Random Forest with Grid Search and Cross Validation.
* Github link: <https://github.com/Kunalrj27/Used-Car-Price-Prediction.git>
* **Image Classification Using CNN**
* Problem statement was to classify each of the image as per the features or characteristics in an image.
* Data consists of four classes of animals containing 5000 images for each class. I had to classify each of these images correctly.
* Successfully implemented Convolutional Neural Network using Keras, Tensorflow and python with accuracy score around 98.3%.
* Github link: <https://github.com/Kunalrj27/Image-Classification-Using-CNN.git>

**EDUCATION:**

Bachelor of Engineering in Computer Engineering, University of Pune,

Progressive Education Society’s Modern College of Engineering, Shivajinagar, Pune – 05

First Class with Distinction.

July 2014 - June 2018

**CERTIFICATIONS:**

Post Graduate Program In Analytics And Artificial Intelligence,

Imarticus Learning.

December 2020 - September 2021