Aachal Patil

ABOUT ME

Looking to obtain the position in AI world to utilize data science skills. Skilled in Python, Machine Learning, Data Gathering, Data Preprocessing, Data Mining, Model Building, Data Visualization and SQL. Coming with solid academic background, Programming skills and ability to communicate complex and technical information. I have build end-to-end solutions for solving ML and NLP problems. My research interest are in Advance NLP, Advance SQL, Deep Learning and Explainable AI.

TECHNICAL SKILLS

Python (Programming Language)

Natural Language Processing (NLP) | SQL

Scikit-Learn | AWS | Data mining

Data analysis | Deep learning (Basic)

Pandas | Data visualization | Algorithms

Predictive modeling | ML Algorithms

Machine Learning | Data Science

Predictive Analysis | Power BI

EDUCATION

BE, Computer science, Gujarat Technological University, Surat - 82%
2018 – 2021

Diploma, Computer Science, Gujarat Technological University, Surat - 89%
2015 – 2018

INTERESTS

Writing | Chess | Reading | Gaming

EXTRA ACTIVITIES

- Published books as co-author.
- Participate in poster presentation and secure 1st Rank.
- Headed several events and contributed as the host of events during college functions

PERSONAL DETAILS

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Surat, Gujarat

PROJECT

1. Recommendation Engine

- Identify insights and patterns in data using statsical analysis.
- Implement algorithms and statistical models to enable a computers to automatically learn from data.
- Exploratory data analysis for checking distribution of data, handling irrelevant data, imbalance dataset.
- Feature engineering on numerical as well as categorical data, feature selection using statical tools.
- Model creation and deployment (end to end).

1. Sentimental Analysis

- Data cleaning and Data preprocessing using tokenization, stemming, lemmatization, and POS tagging.
- Tried various models and compared accuracy using SVM, Naïve Bayes, Logistics Regression and Random Forest each model using various hyperparameters.
- Use word embedding techniques like OHE, Counter Vectorizer, tfidf, to give numerical data to model training.
- Use predictive modeling to increase and optimize customer experiences, improve the product quality and other business outcomes.

ML AND DATA SCIENCE

Python / ML Packages :
Pandas, NumPy, Scikit Learn, Matplotlib, Seaborn, Regular Expressions , Requests, Auto scraper, Beautiful Soup, Tesseract, Flask

Machine Learning :
Linear Regression, Ridge & Lasso Regression, Logistic Regression, Naïve Bayes Classifier, k- Nearest Neighbor's Classifier, Decision Tree, Random Forest, Gradient Descent, AdaBoost, Kmeans Clustering, SVM, Gradient boosting, XGBoost.

Natural Language Processing :
NLTK, CountVectorizer, TF-IDF, Bag of Words, Word2vect

Deep learning :
ANN, Batch Gradient Decent, Stochastic Gradient Decent, Mini Batch GD, Activation Function (Sigmoid, ReLU, Leaky Relu, TanH, SoftMax) and Loss Function's

LANGUAGES

English | Hindi | Gujarati | Marathi