Rushikesh Parve

Python | Data Science |ML

Personal Info

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Objectives

Aspiring to be an AI professional utilizing my DataScience skills & expertise in away that facilitates the firm I work with to acquire client satisfaction & parallelly opening opportunities for meto grow & expand my skills &domain exposure.

Education

Bachelors of Engineering-
Computer (Navi Mumbai)

Skills

Deep Learning: Neural Networks, ANN, CNN, Transfer Learning, Tensorflow, Keras, YOLO, Image Processing.

NLP: Understanding, representation, classification & clustering of Text, nltk, spacy, textblob, langdetect, BOW, TFIDF, word2vec.

Summary:

- 5.1 years of experience as a **Data Scientist** using **ML** algorithms.
- Implemented end-to-end MLops pipelines to streamline model development, deployment, and monitoring for data-driven decision-making as a Data Scientist.
- Skilled in utilizing NLP frameworks and libraries, such as spaCy, NLTK, and Transformers, to preprocess, analyze, and generate meaningful responses from text inputs.
- Working, Experience and Extensive knowledge in Python with libraries Such as **SKlearn, Numpy, Pandas, Matplotlib, Pytorch, Seaborn.**
- Worked on tools- **Jupyter Notebook, PyCharm, Visual studio.**
- Have excellent communication and agile team working experience.
- Experience diving into data to discover the hidden patterns take ownership of the data science model end to end.

Work History:

Yagna IQ

Worked for Yagna IQ as a Sr.Data Scientist. (1 July 2022 to 29 Sep 2023)

1) Churn Analysis -

Data scientist who completed Customer Churn Analysis project Utilized advanced analytics to identify churn factors and developed strategies for improved customer retention.

- Gathered Data collection and cleaning using **Pandas**.
- Conducted **Data visualization** with libraries like **Matplotlib** and **Seaborn**.
- Splitting data into training and testing sets using **Scikit-Learn's train_test_split**.
- Developed predictive models using **RF** machine learning algorithms.
- Evaluated the performance of churn prediction models by assessingkey metrics, including **accuracy, precision, recall,** and **F1-score.**
- Derived actionable insights and recommendations

2) RFM – (Recency, Frequency, Monetory)

- Utilized **Python** and data preprocessing libraries (e.g**., Pandas**) to prepare and clean customer transaction data.
- Engineered RFM features, including Recency, Frequency, and Monetary Value, to create meaningful customer segments.
- Proficient in RFM analysis and customer segmentation using K-Means clustering.
- Applied statistical analysis to identify actionable insights for upselling and retention strategies.
- Collaborated with marketing teams to develop targeted campaigns and personalized offers.
- Proficient in data visualization techniques (e.g., **Matplotlib, Seaborn**) to present RFM segmentation results to stakeholders.
- Presented findings to stakeholders, effectively communicating complex concepts**.**

3) Chatbot

- Worked on Chabot by using **AWS lex** and integrated with whats app byusing **Twilio**.
- Chatbot which is useful for customer, so it get directly link of quotation renewal on his whatsapp.
- Strong proficiency in **Natural Language Processing** (NLP), leveraging cutting-edgetechniques and models to develop highly effective chatbot solutions.
- Extensive experience in designing, developing, and implementing NLP-based chatbots to enhance user interactions and improve customer satisfaction.

Databases: SQL, Command, Constrains, Clauses, CRUD operations, Joins, Subqueries, Window functions.

Overall: MLops, Python,ML, Numpy, Pandas, SVM, Seaborn, Matplotlib, Regex, AWS,Pyspark, S3,. Sagemaker,Auto ML, Lambda, Lex, EC2

Maths & Stats: Filter, Wrapper, Embedded Methods, P-Value, T-Test, ZTest, ANNOVA test, Chi-Square Test, Hypothesis Testing, Probability, statistics, Gradient Descent

Hobbies

Play Chess
Book reading

- Deep understanding of NLP concepts such as **sentiment analysis**, **named entity recognition**, **text classification**, and **information retrieval**, enabling the creation ofintelligent and context-aware chatbot systems.

Worked for IDC Technologies (1 April 2022 to 30 June 2022)

Completed POC of **Data Migration Project**

Lean Quality Solution (11 June 2018 to 22 Feb 2022)

Worked in Lean Quality Solution as a **Data Scientist**

1) Customer Evaluation (Finance)

- Analyze the Stake Holder's requirement.
- Actively involved in daily standup call and task.
- Evaluating clients' credit data and Financial statements in order to determine the degree of risk involved in lending money to them.
- Performed **Feature Selection** and select model on data.
- Performed **Feature engineering** on data having columns using **Python** libraries like**Numpy, Pandas** and **Seaborn.**
- Utilized the Random Forest algorithm to enhance the accuracy of credit risk assessment.

2) Disease classification (Healthcare):

- Leveraged medical data analysis to predict and categorize diseases based on patient information, symptoms, and medical history.
- Developed advanced machine learning models for accurate disease classification in the healthcare domain.
- Perform evaluation metrix in machine learning.
- Used to show **the precision, recall, F1 score** and support of train **classification report**.
- Analyzed Model Prediction accuracy using **Classification Reports**, **Confusion Matrix**.