Ankush K. Mulkar

Machine Learning Engineer

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CAREER OBJECTIVE

To be associated with progressive organization, where I can **employ Data Science, Machine Learning, Deep Learning & Natural Language Processing** knowledge & skills to contribute the growth of the organization and personal growth in an effectual manner

SUMMARY

- Created **MLOPS** system for customer churn case study by using tools like **Airflow & Mlflow**
- Machine Learning end to end **model deployment** on streamlit
- Expertise in validating the data using **EDA** Techniques: Central Tendency, Dispersion, Quartiles/Percentiles, Standardization and Data visualization
- knowledge of NLP techniques for text Analytics, semantic, syntactic, and semantic processing
- Excellent **problem-solving skills**
- **Solid mathematical foundations behind Machine Learning algorithms**
- Solid programming skills with Python & its libraries like **NumPy, Pandas, Seaborn, Matplotlib, Scikit-Learn, Kears, TensorFlow, PyTorch framework**

PROJECTS

- **MLOps Assignment**-Successfully created Data, Training, Inference pipeline for creating end-to-end pipeline for Lead Scoring for an edtech industry. Technologies used- **Airflow, Mlflow, Pycaret**
  https://github.com/AnkushMulkar/Mlops_Lead_scoring_for_edutech_company
- **Automatic ticket collection**-Created a model that can automatically classify customer complaints based on the products and services that the ticket mentions. Concepts implemented- Topic modelling & supervised model. **Logistic Regression** is the best model with an accuracy of 93% with Precision and Recall as 93% and 92% respectively.
  https://github.com/AnkushMulkar/Automatic-Ticket-Classification
- **Credit card fraud detection**-To predict fraudulent credit card transactions with the help of machine learning models. We could reduce time-consuming manual reviews, costly chargebacks and fees as well as denials of legitimate transactions. Tools used- **Adasyn, SMOTE, Oversampling, Under sampling, Logistic Regression, XGBOOST, Decision tree**
  https://github.com/AnkushMulkar/Credit-card-frauad-detection
- **Sentiment analysis** -This application classifies a user's input as Positive or Negative based on the Hugging Face Transformer Model & deployed on streamlit
  https://ankushmulkar-sentiment-analyser-app-h-sentiment-analyser-v3gmyy.streamlit.app/

EDUCATION

- Studying **Master of science** in Artificial Intelligence & Machine Learning from Liverpool John Moores University, UK
- **Executive Post Graduate Programme** in Artificial Intelligence & Machine Learning from IIIT Bangalore
- **Post Graduate Diploma** course in Thermal Power Plant Engineering from ICOM Institute Nagpur
- **Bachelor of Engineering** in Electrical Engineering from Nagpur University Nagpur

CERTIFICATIONS

- Machine Learning Deployment - Learned the process to **Deployed ML model on streamlit app**
- Mathematics & Statistics of Machine Learning – Learned **Maths & Stats behind ML algorithms**
- Transfer Learning Using PyTorch – Learned how to apply **Transfer Learning using PyTorch library**