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GitHub: <https://github.com/ShubhamMadure>

SUMMARY

- Data enthusiast with 2.5 years of analytical industry experience in Datawarehousing and Informatica development supporting Marketing and Sales units.
- Certified data scientist with expertise in data visualization, building and deploying Machine Learning models.
- Adept in solving analytical challenges with business impact.
- Strong hold on Mathematics behind machine learning models and Statistical analysis.

SKILLS

Deep learning: Computer Vision, NLP, Object detection, Transfer learning.

Statistical Modelling: EDA, Feature Engineering, Hypothesis, Text Analytics, ANOVA.

Machine Learning: Decision Tree, Random Forest, SVM, K-means clustering, KNN, Naive Bayes, Linear regression, PCA, Ensemble techniques, Recommendation Systems.

Extract Transform Load Tool: Informatica | **Programming Languages:** Python, Java

Database Language: SQL, Teradata | **Web services:** Flask Rest-API, Azure cognitive

IDE: PyCharm, Visual Studio, Eclipse, Google COLAB | **Cloud Technique:** Azure

Framework and API: Tensorflow, Keras, Selenium.

WORK EXPERIENCE

Amdocs, Pune – Datawarehouse Developer (April 2018 – PRESENT)

Client - AT&T (Telecom)

Responsibilities:

- Develop and deploy data solutions using ETL tool Informatica for marketing and sales purpose.
- Troubleshoot and investigate data anomalies and issues.
- Build/test proactive validation processes to catch data integrity issues.
- Develop and create transformation queries, views, and stored procedures for ETL processes, and process automations.
- Job scheduling through TWS, Jenkins pipeline.
- Perform the tuning and performance improvement at source, target levels using indexes, hints and partitioning in ORACLE, TERADATA, Informatica.
- End to End analysis of the Enterprise data warehousing to report the questions, clarifications of Ad-hoc requests with supporting data and findings.

Data Science Activities at the organization:

- Developed a deep learning model to predict the revenue per customer in coming time span with **96% testing data accuracy**. It helped client plan future business processes.
- Built a model to predict TWS job failures which helped preventing multiple SLA failures. As a result, company saved significant amount of SLA miss charges.

PROJECTS

Below are some of the many models I have built and deployed over last 2 years. Code for all these models can be found on my Git-Hub profile.

1) **Pneumonia Detection using lung X-RAY images:**

Here the primary endpoint is detection of bounding boxes on chest radiographs which leads to the diagnosis of pneumonia and lung infections. Dataset of special 2D high resolution grayscale medical image from Kaggle is used for model training.

Built the ResNet model as its prominent features & architecture suits the problem statement using concept of transfer learning. Validation accuracy of this model is 96%.

Deployed the Model on Azure platform whereas UI and Rest API is built using Flask.

2) **Sentiment Analysis:**

The objective of this project is to build a text classification model that analyses the customer's sentiments based on their reviews in the IMDB database. The model uses a complex deep learning model to build an embedding layer followed by a classification algorithm to analyze the sentiment of the customers.

3) **Product Recommendation Systems:**

This project involved building recommendation systems for Amazon products. A popularity-based model and a collaborative Filtering model were used and evaluated to recommend top-10 products for a user.

CERTIFICATIONS AND ACHIEVEMENTS

- CDAC – Post Graduate Diploma in advanced computing
- Provided training session on Python, Machine Learning Algorithms and Statistical Analysis at organization level.

EDUCATION

Great Lakes Executive Learning - Post Graduate Program in Artificial Intelligence and Machine Learning

Sinhgad College of Engineering, Pune – B.E. in Electronics and telecommunication

PROFESSIONAL SKILLS

- Experience in working with Agile and Scrum development methodologies.
- Ability to deal with ambiguity and work with rapidly changing business data.
- Proactive and strong problem-solving skills.
- Passionate Team Player with Can-do attitude.