

TANVI KARANTH (No sponsorship required)

WORK EXPERIENCE

LUMEN TECHNOLOGIES - Data Engineer

Responsible for building ETL solutions for a global enterprise technology firm specializing in data applications, communication, network and cloud connectivity
Oct '21 - Jan '23

Responsibilities

- Built **Data pipelines** to load streaming data into data lake for real time reporting.
- Performed **data extraction** from multiple sources including Oracle databases, Salesforce objects and flat files to perform de-duping, cleaning, transforming and loading into Enterprise data Warehouses.
- Developed automated **shell scripts** to download files from **FTP** servers, run **ETL** jobs and **automated** execution using Control-M
- Built **Power BI** Dashboards and **presentations** to showcase various project results and improve the quality of project reviews with stakeholders.
- **Collaborated** with solution architects, developers and business stakeholders to understand the requirement and design architectural processes to achieve desired business goals.
- Experienced in **Agile** and **Scrum** methodologies.

Performance optimization

- Reduced the number of call back requests by **40%** helping the business identify the areas of improvement by analyzing customer surveys to determine most common customer complaints.
- Identified a **\$11.5M** savings opportunity by introducing a pre call survey, reducing the call duration.

TATA CONSULTANCY SERVICES - Software Developer

Built machine learning capabilities for multiple UK-based client projects at the largest Indian tech consulting firm
Jan '21 - Sep '21

Responsibilities

- Developed **python** script with data scientists to conduct **sentiment analysis** by tokenization, filtering stop words and stemming to monitor call compliance for a high street British Bank.
- Designed and developed **web pages** for Standard Chartered Bank, UK.
- Built workflows to automate processes using Pentaho.

SKILLS

- **SQL** (Oracle, SQL Server)
- **Python**
- **ETL** (Informatica)
- **Data Visualization** (Power BI, Qlik Sense)
- **Databricks**
- **Shell Scripting**

PERSONAL PROJECTS

- **DATA ANALYSIS - POWER BI/EXCEL**
 - **Pizza Sales**
Pizza Sales summary for a fictitious restaurant for the year 2015.
 - **Netflix**
Summary and search directory using Netflix dataset (2012 - 2020)
 - **Cookie Sales**
Performance Dashboard of a fictitious cookie company (2019-2020)
- **EXPLORATORY DATA ANALYSIS - PYTHON**
 - **Zomato**
EDA on Zomato dataset to gain insights on popular restaurants and cuisines.
 - **IKEA**
Textual data analysis of IKEA furniture reviews.

EDUCATION

VTU, India | B. E- Computer Science | **GPA: 8.54/10 (Top 10% of batch)**

Sep '16 - May '20

Parkinson's Disease Detection using Computer Vision and ML (Python, Scikit-learn, OpenCV, Tkinter)

- Pre-processed images by thresholding, extracted features and quantified the input hand drawn images using Histogram of Oriented Gradients image descriptor.
- Built a Random Forest Classifier with ~100 decision trees to predict Parkinson's with **86%** accuracy.

DataLore labs - Intern

- Received an excellence award for the project and presentation issued by the Co-founder
- Built multiple ML models to predict health insurance charges using linear, decision tree and random forest regression