Pankaj Bhatt

Data & ML Engineer

CONTACT

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📰 Blog

SKILL

Python, NumPy, Pandas, Excel Matplotlib, PySpark

EDA, Statistical Analysis, Time Series Analysis(ARIMA)

Supervised Learning, Deep Learning,

LSTM, BERT, Natural Language processing, GIT, Power BI,

SQL, PL/PGSQL, SQL Server, POSTGRESQL, SSMS, PGADMIN

Azure Storage, Azure Data Lake, Azure Data Factory, Azure Data Bricks,

PyCharm, Visual Studio Code.

PROFILE

ML Engineer with 5+ year of experience in Retail &Finance domain for IBM. Experienced in Data Analytics, Machine Learning, Predictive Modelling, and deriving relevant business insights. ***Sponsorship Needed ***

WORK EXPERIENCE

Predictive Analysis (supervised learning, python, TensorFlow, Scikit learn)

ML Engineer @IKEA INDIA   **Apr2021-Ongoing**

- Objective is to design an end-to-end ML pipeline for sales price optimization of IKEA good in Indian Market.
- Working with a big team composed with data engineers, data scientists and ML engineers to analyze IKEA product & sales data.
- Performing task like:
  - Data preparation to have a labelled data
  - Feature selection
  - Statistical Analysis
  - Model Creation (Logistic regression, Random Forest, bagging, Boosting)
  - Model Evaluation (F1 Score, log loss, confusion matrix)
  - Feature Engineering (Dimensional Modelling)
  - Hyperparameter Tuning (Grid search)

Sentiment Analysis and Classification (NLP, POSGRES, Python, Naive Bayes, LSTM, BERT, GIT)

ML Engineer @IKEA INDIA   **Feb2020-Mar2021**

- Designed a DataMart in POSTGRESQL and ELT Pipeline to fetch data form IKEA Customer database.
- Objective is to design a decisive model to analyze user response for IKEA products
- Worked with the team of data engineers to prepare dataset with labels.
- Performed task like:
  - Data cleaning (Outlier removal, Pattern Analysis)
  - Statistical Analysis (Univariant and Bivariant Analysis)
  - Feature Selection
  - Data Pre-processing (vectorization, normalization)
  - Model training
  - Model Testing (Confusion matrix, F1 score)
- Used Python Libraries like Pandas, NumPy, Matplotlib, NLTK, GENSIM, LSTM, KERAS, TENSORFLOW, SKLEARN for model design and testing.

ACHEIVEMENT

- Azure AZ-900 Certified
- SQL(1z0-51) Certified
- IBM Retail Domain Certified
- IBM Badge on Data Science and ML
- Case Study: Stack overflow Question tagging
- Case Study: Netflix Movie Recommendation
- Started a Blog Series

EDUCATION

- Master in Computer Application (MCA) -2016 with 73%
- Bachelor of Science(CS) - 2014 with 65%

- Tested Model with ML algorithm like Naïve bayes, Random Forest, BERT with different vectorization technique (BOW, TFIDF, Word2Vec, LSTM)
- Deployed model in window server and created alerts to monitor pipeline.

EIGB (SQL Server, Azure Data Factory, GIT, Excel, Power BI)
Backend developer @IKEA INDIA   Mar2018- Jan2020

- Develop a solution for IKEA INDIA to reconcile daily sales transaction with other POS System.
- Migrated existing heavy excel reporting and visualization to SQL script, and power BI visualization.
- Perform Task like:
  - requirement gathering and designing the schema.
  - Written DDL scripts
  - TSQL procedures with data transformation
  - Triggers, views, Pivot
  - Power BI transformation
  - KPI's for weekly meetings
- Written and orchestrated ETL CI/CD Pipelines in Azure data factory to copy data from Sources like Finance Datawarehouse, and Transactional database.

SAREC AUTOMATION (Python, POSTGRES, GIT, PyCharm)
Python developer @IBM INDIA   Feb 2017 - Jan 2018

- Designed multiple python script for HTML and XML parsing to monitor data availability in a server.
- Designed ETL script in python to read XML and move data to POSGRES database.
- Deployed and schedule scripts in window server.
- Worked with python libraries like LXML parser, beautiful soup, element tree to parse UI data and email, smtp to send emails.
- Performed various action like data cleaning, conditional formatting, pattern matching.

DECLARATION

I hereby declare that the information furnished above is genuine and authentic to the best of my knowledge

(Pankaj Bhatt)