MD SALMAN KHAN

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Looking forward to use analytical and leadership skills to enable solutions of business problems in order to innovate processes and unravel business opportunities, along with maintaining a human touch in the era of AI.

EDUCATION

INDIAN STATISTICAL INSTITUTE
MS - Quality Management Science
📅 2021 – 2023   📍 Bangalore & Hyderabad

ST. XAVIER'S COLLEGE, KOLKATA
BSc - Mathematics (Honours)
📅 2017 – 2020   📍 Kolkata, West Bengal

EXPERIENCE

DATA SCIENTIST INTERN
Philips GBS
📅 Jan 2023 – June 2023   📍 Chennai, India

AI Safety Stock and AI Forecasting

- Developed the Safety Stock Computation and compared it with the in-house engine
- Supported the team with various exploratory and ad-hoc analyses.
- Applied Data Analytics to improve the forecast accuracy.
- Collaborated with the cross-functional team to develop the Safety Stock Dashboard
- Directly communicating with the Business Partner to implement any necessary adjustments or changes as needed.

DATA ANALYTICS INTERN
Teleflex Medical Private Limited
📅 May 2022 – July 2022   📍 Bangalore, India

Inventory Management

- Identified the distribution of Purchase, Sales, and Scrap to identify the "sweet-spot" where Sales declines dramatically before the SSL (Short Shelf Life) period in order to employ sales promotion to sell such products before SSL. Under the direct direction of the Supply Chain Excellence Lead, I created an inventory dashboard that will be utilised for inventory review. Given the inventory at the primary and secondary levels, expected stock-outs for the next 6 months

PROJECTS

Housing in Beunos Aries

- Built a data pipeline for imputing missing values and encoding categorical features, created a machine learning model that predicts apartment prices in Buenos Aires and improved the model performance by reducing overfitting. Designed a dynamic dashboard to interact with the model.
- **Technology: Scikit-learn, preprocessing | Python**

Time Series Forecasting

- Forecasting the unit sales for thousands of items sold at different Favorita stores.
- **Technology: Time-Series Analysis | Python**

Loan Prediction Problem

- Prediction of whether a loan application should be accepted or rejected based on various features.
- **Technology: Logistic Regression | Python**

Predicting Heart Disease

- Predicting whether a person is having a heart disease or not based on various feature values.
- **Technology: Logistic Regression, Classification Tree, Bagging & Random Forest, Naive Bayes, K Nearest Neighbor, Support Vector Machine | Python**

Relative CPU Performance

- to estimate the published relative performance (PRP) of a centralised processing unit.
- **Technology: Multiple Linear Regression, Regression Tree, Bagging & Random Forest, K Nearest Neighbor, Support Vector Machine | Python**

SKILLS

- **Development & Machine Learning**: Python, Azure Databricks
- **Analytics & Visualisation Tools**: Python, R Studio, MS-Excel
- **Database Languages**: MySQL
- **Statistical Tool**: Minitab
- **Others**: LaTex and MS Office

ALGORITHMS

- **Regression:** Linear, Logistic, Ridge, Lasso, Dummy Variable
- **Machine Learning**: K Nearest Neighbour (KNN), Decision Tree, Random Forest, Bagging, Support Vector Machine (SVM)
- Factor Analysis, Cluster Analysis
- Principal Component Analysis (PCA)

ACADEMIC COURSES

- Six Sigma, Design of Experiments
- Non-Linear Programming
- Statistics, Probability Theory
- Multivariate Data Analysis
- Operation Research
- Project Management
- Micro Economics and Macro Economics
- Linear Algebra, Topology

CERTIFICATIONS

- **Machine Learning using Python**
- **Business Analytics with Excel**
- **Python for Machine Learning and Data Science**

POSITION OF RESPONSIBILITY

- Class Representative for the year 2019-2020
- Member of the student council for the year 2019-2020
- Director of the Department of Finance in **Analytica 2019,** a two-day annual Mathematics fest organised by the students of the Department of Mathematics, St. Xavier's College, Kolkata
- Volunteer at National Service Scheme (NSS) from 2017 - 2020

ACHIEVEMENTS

- AIR 1 in University of Hyderabad Entrance
- AIR 5 in ISI Entrance
- The Times NIE Student of the year 2017