TAPOSH KUMAR KAPURIA

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in LinkedIn

EDUCATION

M.Tech.
Industrial Engineering and Operations Research
IIT Bombay, Mumbai, India
📅 July 2019 - Jun 2021

B.S.
Industrial and Production Engineering
Jessore University of Science and Technology, Jessore, BD
📅 Jan 2013 - Aug 2017

GENERAL SKILLS

Data Cleaning & Preprocessing, Statistical Analytics, Pattern Recognition, Machine learning, Database Management, Data Visualization

TECHNICAL SKILLS

Python (NumPy, Pandas, Scikit-learn, Pulp, Matplotlib), MySQL, Tableau, Power BI, HTML, MS Excel, Google Spreadsheet, Jupyter Notebook

CAREER OBJECTIVE

Looking to apply hands on experience utilizing predictive analytics and classical modeling techniques for statistical inference and creation of data insights as a Data Scientist.

WORK EXPERIENCE

Machine Learning Intern
Prof. Amit Sethi, EE Dept., IIT Bombay
📅 Feb 2020 - April 2020   📍 Mumbai, Maharashtra

- Predicting Attrition of Employees using Machine Learning Techniques (Kaggle Competition Rank:5/195)
- Implement Kernel SVM, K-NN, Decision Tree, and Random Forest Classification techniques using Scikit-learn library
- Implement Polynomial fitting with Degree Control
- Implement Polynomial Fitting with Fixed Degree and L2 Norm Penalty
- Hypothesis Testing
- Compute & Visualize Decision Boundaries for Gaussian. Implement Confusion Matrix
- Patient Classification based on Gene signatures using PCA

PROJECTS

- Parameter Estimation and forecasting of Grocery Stores Sales Data using Exponential Smoothing Techniques
- A DEA based Classification Approach to Evaluate Sustainable Purchasing Drivers

CERTIFICATIONS

- Cleaning Data in Python, Datacamp
- Python Data Science Toolbox-Part 1, Datacamp
- Foundations: Data, Data, Everywhere, Coursera
- Data Types for Data Science in Python, Datacamp
- Introduction to SQL, Datacamp
- Introduction to Relational Databases in SQL, Datacamp
- Introduction to Data Visualization with Matplotlib, Datacamp
- Machine Learning for Business, Datacamp
- Time Series Analysis in Python, Datacamp