Abhilash Kengalahalli Chandrappa

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EDUCATION

Master of Science, Industrial Engineering   **Aug. 2021 – Dec. 2022**

University At Buffalo, Buffalo, NY, USA

Course work: Data Analytics & Predictive modeling, E-business & Supply Chain management, Operations Research, Facilities Design | Spring 22 - Lean Enterprise, Design of Experiments, Global Operations Management, Strategies for Digital Transformation, Decision making with advanced simulation

Bachelor of Engineering, Mechanical Engineering   **Aug. 2013 - July. 2017**

Bapuji Institute of Engineering and Technology, Davangere, India

RELEVANT EXPERIENCE

Technical Consultant   **Oct. 2020– Aug. 2021**

Aspire Digital Technologies   *Bengaluru, India*

➢ SAP CPQ: Implemented catalogues, workflows and quote approvals based on discount matrix.
➢ Iron Python: Implemented product and pricing requirements using Iron Python scripting.
➢ Integration: Created multiple user roles, email alerts and supported integration with C4C, ECC, Docusign platforms and external APIs.

Data Science & Machine Learning Intern   **Mar. 2020 – Oct. 2020**

Learnbay   *Bengaluru, India*

➢ Data pre-processing: Prepared various datasets for modelling in Python and R via cleaning, pre-processing, train/test set partition, feature engineering, exploratory data analysis.
➢ Data visualization: Developed visualizations using seaborn, ggplot packages and tools such as Tableau and Power BI.
➢ Machine learning: Applied ML techniques such as regression, classification, clustering to predict and explain different datasets.

Systems Engineer   **Sep. 2017 – Oct. 2019**

Tata Consultancy Services   *Bengaluru, India*

➢ SAP ABAP: Customized mainly Sales and Distribution modules of SAP as per client's requirements using IDOCs, Smartforms, XML transformations and data dictionary objects.
➢ Debugger: Debugger is an integrated test tool with the ABAP workbench. Worked on resolving errors in ABAP reports and run-time errors.
➢ Documented SAP design and technical specification documents.

TECHNICAL SKILLS

Software: MS Office (Excel, Word, PowerPoint, Solver for LP), SAP CPQ, Minitab, AnyLogic, Latex;
Programming: R (Caret, ggplot2), Python (Numpy, Pandas), C, SAP ABAP; **Data Analysis**: Tableau, Power BI, Excel;
Machine learning: Regression & Classification models, Regularization (Ridge, Lasso), Ensemble Learning (Random Forest). Clustering (K-means), SVM, KNN, CART, PCA; **Data Base Management**: SQL

PROJECTS

IE500: Data Analytics and Predictive Modelling   **Dec. 2021**

Statistical data analysis of change in the consumer behaviour in food segments due to Covid

➢ Collected data points from NY open data, US Dept. of Agriculture, US Bureau of Labour Statistics to capture the Covid rates in New York state, consumer behaviour and employment; Visualized using plots to understand their significance.
➢ Based on data visualization and current literature, filtered, and sorted the most important predictors to focus on, cleaned the data set as per requirement and made transformation for the response variable as it was far from normal.
➢ Predictive models were applied by training them on 75% of the data set and testing on the remaining 25% unseen data.
➢ Analyzed the models using performance metrics to find the best-fitting model to identify the most important factors to predict future dollar sales.

Internship Projects   **Oct. 2020**

➢ **Credit Card Clustering**: Classified Credit card dataset into to identify different customer groups.
➢ **Insurance Premium Prediction**: Focused on performance comparison of different regression algorithms to predict the Insurance premium for the given dataset.
➢ **Bengaluru House Price Prediction**: Price prediction website using linear regression model, python flask server to serve http requests, and simple website design using HTML, CSS, and JavaScript.
➢ The details are available in https://github.com/AbhilashKC99/My_Work.git