|  |  |  |  |
| --- | --- | --- | --- |
| Vikash A MishraObjective Highly focused individual experienced in deriving business and product insights using data mining and analytics Skills **Data Science & Analytics: :** Machine Learning Algorithms (SVM, Random Forest, NLP, Clustering algorithm, PCA), Forecasting, Ensemble Methods, Gradient Descent, integer programming, Queuing theory, Model assumptions and validation, model selection, ARIMA  **Data Tools Languages:** R, Python, (Postgres) SQL, pyspark, TensorFlow, Microsoft Excel(vlookup, pivot)  **Other Skills:** Project Management, Heuristic models, Decision analysis, Non-linear programming, six sigma, Data Visualization (GG Plot,plotly, seaborn,), Microsoft Excel(vlookup, pivot)  m.vkumar89@gmail.com (817)-513-6436 <https://github.com/vikashAmishra>  C:\Users\mvkum\OneDrive\Desktop\medium_logo.png  <medium.com/@m.vkumar89> | Education **University of Texas Education at Arlington**  M.S. In Industrial Engineering  Coursework: Operations Research, Applied Linear Regression, Engineering Statistics, Data mining and analytics  **Dr. M.G.R. University** B.Tech in Mechanical Engineering Academic Projects**Multiclass Labeler:** Performed EDA on spatial-temporal and demographic data to develop to predict the occurrence and class of crime.Model Ranked under **top 400** within 3000+ submissions in **Kaggle** Competition with 2.4 logloss. **Sentiment Analysis:** Preprocessed data using VectorSource, eliminated sparse words at a frequency level of 2% to clean unstructured dataset.Achieved accuracy of 87.88 and 84.50 with respect to the Decision Tree and Random forest model **Forecasting the business inventory**: Developed a Time series model on historical data with respect to seasonality to predict the sale of a given class of item.Evaluated models moving average, logistic regression, ARIMA and SARIMA algorithms using MAPE. **Rossman Drug store sales forecasting:** Model on SVR and to avoid the issue of overfitting we kernelized our model on Gaussian and polynomial kernel thus giving the percentage error of 26.8% and 16.3% respectively.The prior model was compared with random forest and linear regression having RMSPE of 52.7% and 12.3%  |  |  | | --- | --- | | Experience**Data Analyst**, Feb, 2015 – April, 2016Indus Extrusions and Alloys Limited, Gujarat, IndiaForecasted raw material inventory with an accuracy of 94% using time series data with moving averages (MA)Implemented demand forecasting models which improved upon forecast accuracy and reduced supply chain inefficiencies **Process Engineer**, Oct, 2013 – Jan, 2015 Bhushan Steel Limited, Angul, OrissaImproved coating surface quality for galvanized sheets from a defect density of 0.2 defects /sq.ft to 0.025 defect density over a time period of 3 months using root cause analysis and FMEA. |  | |