

EDUCATION

Master of Professionals Studies in Data Analytics – Northeastern University (GPA 3.87/4.00)	June 2020
Master of Technology in Computer Science – A.P.J Abdul Kalam Technical University, India	March 2015
Bachelor of Technology in Computer Science – Rajasthan Technical University, India	August 2012

PROFESSIONAL EXPERIENCE

DATA ANALYST INTERN – COSTCO, SEATTLE April 2020 - June 2020

- Performed demand forecasting by analyzing sales data in python to solve the problem of product overstocking and understocking. Predicted the accurate stock of products required to help in the inventory management.
- Implemented hierarchical based clustering to predict demand of products using Fbprophet forecasting and achieved 96% accuracy for the average units predicted daily.
- Performed market basket analysis, customer segmentation based on profits and built dashboards in Tableau.

DATA ANALYTICS AUTOMATION INTERN – SEED&SPARK, SEATTLE January 2020 - March 2020

- Implemented a one push button GUI solution in python to process N number of input files. It performed extraction, cleaning of multiple datasets and outputs a unified dataset. This solved the problem of manually combining the input files into one, saving days of error prone manual work. Tested on data set of approx. 500 excel files.

SENIOR DATA ANALYST – THREEFIVE CONSULTANCY, INDIA October 2016 - August 2017

- Designed & implemented an Unsupervised Learning-based ML solution in python to solve the problem of the incorrect and inefficient location of service delivery centers for a public sector organization in a developing nation.
- Identified the correct locations of these service centers using Fuzzy Clustering and Heuristic algorithms.
- Optimized the cost & time of service access for citizens from these delivery centers by up to 20%.

DATA ANALYST – THREEFIVE CONSULTANCY, INDIA April 2015 - September 2016

- Managed large data sets and performed detailed analysis by doing data cleaning activities on survey data to identify critical areas of interest. Analyzed client's data in Tableau, translated the analysis into easily understood metrics.

TECHNICAL PROFICIENCIES

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- **Programming:** R, Python, Apache Spark, Apache Hive, SQL
 - **BI Tools/Framework:** Tableau, Power BI, Jupyter Notebook, RStudio, Advanced MS Excel
 - **Machine Learning and Statistics:** Quantitative analysis (Linear Regression, Logistic Regression, KNN, Decision Trees and Random Forest, Unsupervised learning (clustering), Optimization)

RELEVANT ACADEMIC PROJECTS

Predicting House Price in Sammamish WA (on Real world dataset) December 2019

- Performed data preparation, feature engineering on raw data in python and SQL to find the best features to build a Random Forest Regressor model to predict house prices in Washington with an accuracy rate of 93%.

Sales Data analysis and visualization on retail company data October 2019

- Analyzed and visualized data using Apache Spark for data cleaning and Apache Hive to extract the insights.

HDMA Washington State Home Loan analysis April 2019

- Performed data visualization and exploratory data analysis using seaborn, matplotlib and pandas in python.

THESIS AND PAPER PUBLICATION IN MACHINE LEARNING

Optimization of Fuzzy C-Means Clustering using Genetic Algorithm for an Image in MATLAB. [Published Paper Link](#)