**ALEXANDER CARTER**

**Senior Data Scientist**

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# JOB EXPERIENCE

## Senior Manager/ Chief Manager in Analytics

### AIG

Feb 2024 - Present

* **Fraud Detection-** Identification of the fraud in the claims.
* **Forecasting of the calls-** Currently working

## Senior Data Scientist/ Lead Data Scientist

### JP Morgan Chase

Nov 2020 – Jan 2024

* **Gold Price Forecasting-** developed various forecasting models using some of the independent features. Employed MLR, RF, Lassso, Ridge, SVR, PCR, ARIMA (Univariate) and XGBoost.
* **Currency in Circulation (CiC)-** developed the PoC using ML techniques.
* **Sentiment Analysis of Articles-** analyzed using L&M, Textblob.
* **CIMS-** Centralized Information Management Systems contains multiple use cases. I was involved in **Pattern recognition of borrowers**, **Macro-economic indicators sentiment**.

## Sr. Assistant Professor

### Indian Institute of Technology

May 2020 – Nov 2020

• **Teaching- NLP** to Engineering students.

## Faculty

### Indian Institute of Technology

Jan 2019 – May 2020

• **Teaching- Data Science** to Engineering students.

## Senior Data Scientist

### Centre of Excellence in Analytics, IDRBT

Jan 2015 – Jan 2019

* Text document classification using **Multiple Reduction Techniques-** Employed PCA and SVM. Obtained the best Sensitivity values.
* **Data classification using windows API calls-** Employed the LDA for feature selection, Class Association Rule Mining (CARM) algorithms.
* **Gold Prediction using News articles-** collected the news are articles related to the companies stock and forecast their values using ML models.
* **Machine Clustering-** was done using k-Means, k-Medoids, and SOM. Reported the Precision and Recall values.
* **Text mining applications in health domain-** Research article. • Developed the PoC’s on **Prediction**, and **Cus-**

# TECHNICAL SKILLS

* **Languages-** Python,R, Java and SQL.
* **Frameworks and Libraries-** Scikit-Learn, Numpy, Pandas, Matplotlib,Seaborn, NLTK, StatsModels.
* Hands on EDA, Visualization, Time Series

Analysis.

* Research exposure on **Machine Learning**, **Data Mining** and **Feature subset selection**.
* **OS-** Ubuntu, and Windows.
* **Tools-** Rapid Miner, KNIME, Weka, Neuro Shell, Vitellus, Statistica, SAS, and IBM SPSS.

# ACHIEVEMENTS

* Qualified in **TSSET-2017** cut of Top-6%.
* Received Fellowship during Ph.D. from **IDRBT**.
* Scored 634 in **GRE Computer Science** in October 2012.
* **MHRD** Fellowship during M.Tech in OU (2009-2011).
* Qualified in **GATE-2009** with 93.8 Percentile.

# EDUCATION

**tomer Churn Prediction** for customized training programs.

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| --- | --- |
| Junior Research Fellow  **Centre of Excellence in Analytics, IDRBT**  July 2012 – Dec 2014 Hyderabad, India   * During this tenure worked on **Customer Segmentation**, and **Market Basket Analysis**. * **Discriminative Features** * **Document Classification** | Ph.D. (Computer Science)  **University of Delhi, India**  Aug 2012 – Oct-2018  MTech - CSE 89%  **Acharya College of Engineering, VTU University, India** |

2009-2011

## B. Tech - CSE 80.20%

**VTU, Bangalore**