



Personal Website

## KARTHIK CHEVURU



Tableau public

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### EDUCATION

Northeastern University	Boston, MA
Candidate for Master of Science in Data Analytics Engineering	Sep 2019 – Aug 2021
<i>Relevant Courses:</i> Data Mining, Probability and Statistics, Data Visualization, Unsupervised Learning	
SRM University	Chennai, India
Bachelor's in computer science	Jun 2014 - May 2018

### TECHNICAL SKILLS

Languages- R, Python, SQL, Java, HTML, CSS  
Frameworks & Tools - R shiny, Hive, Spark, Numpy, Pandas, Scikit Learn, Pytorch, Hadoop, Django, Excel  
Databases- Mongo DB, MySQL  
Visualization Tools- Tableau, Power BI  
Statistical Testing- A/B testing, Hypothesis Testing, Chi-square test, F-test, t-test, Optimization  
Machine Learning- Linear Regression, Logistic Regression, Decision trees, Support Vector Machines, Convolutional Neural Networks, Natural language processing (NLP)

### WORK EXPERIENCE

Staples, Inc.	Framingham, MA
<i>Industrial Engineer Co-op   Automation and Robotics</i>	Feb 2021 - Present
<ul style="list-style-type: none"><li>Developed <b>python</b> script to automate file compression and move compressed files from windows server to network server.</li><li>Accelerated data and reporting process from database by building custom <b>Django</b> reporting dashboard with <b>html</b>, <b>CSS</b> as frontend.</li></ul>	
Thinkster Math	Bangalore, India
<i>Data Analyst Intern</i>	Dec 2018 - May 2019
<ul style="list-style-type: none"><li>Analyzed consumer data to identify issues which impact on satisfaction levels of service and provided insights.</li><li>Created custom <b>SQL queries</b>, <b>Python scripts</b>, and <b>SAS</b> procedures to ingest, manipulate, cleanse and analyzed data to answer complex business questions for Stakeholders.</li><li>Built ETL scripts to transfer data from database to <b>AWS redshift</b> using informatica pro.</li><li>Designed <b>KPI</b> Dashboards in <b>Tableau</b> for the business unit to highlight key metrics that are impacting the business.</li></ul>	
South Central Railway	Warangal, India
<i>Database Management trainee</i>	Jun 2017 - Jul 2017
<ul style="list-style-type: none"><li>Built complex <b>SQL</b> reports to audit <b>5 million</b> daily passengers traveling in railways.</li><li>Optimized existing <b>SQL</b> queries to process <b>27%</b> faster than previous queries.</li><li>Collaborated with the QA team in deploying and testing the application, which uses the <b>SQL</b> server as a database.</li></ul>	

### SELECTED PROJECTS

- Grocery recommendation system and clustering analysis (Python, PCA, K-Means, t-sne)
- Built Recommendation system using SVD and cosine similarity to recommend products based on previous purchase details.
- Loan default prediction (Python, Random forest classifier, XGBoost)
- Developed ML algorithm using XGBoost classifier to predicts risk type of a customer with an accuracy of 0.93 and recall rate of 0.91
- Retail Database Management System (MySQL, MongoDB, R)
- Structured and designed database using EER and UML diagram.
  - Replicated database in **MongoDB** and analyzed the data through **Aggregate and MapReduce pipelines**.