

# Sarav Rajavelu

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## CAREER SUMMARY

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Computer Science graduate student at The Ohio State University with over two years of industry experience using machine learning methods to provide action-oriented, data-driven solutions utilizing Python and R.

## EDUCATION

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- **The Ohio State University** Columbus, OH  
*Master of Science in Computer Science; GPA: 4.0 /4.0* Aug. 2017 – May. 2019
- **Vellore Institute of Technology** Vellore, India  
*Bachelor of Technology in Computer Science and Engineering; GPA: 8.23 /10.0* Aug. 2011 – May. 2015

## SKILLS

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- **Languages:** Python (scikit-learn, NumPy, SciPy, Pandas), R, SQL, SQL Server, C++
- **Technologies:** R Studio, Excel, SQL Server Integration Services, Informatica PowerCenter
- **Coursework:** Artificial Intelligence, Data Mining, Social Media & Text Analytics, Database Systems, Algorithms
- **Technical:** Machine Learning (Classification, Regression, Feature Engineering), Deep Learning, Natural Language Processing, Data Visualization, Data Scraping
- **Certifications:** Neural Networks and Deep Learning, Data Science in Python & R Programming on Coursera

## EXPERIENCE

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- **Emplay Analytics** Bangalore, India  
*Data Scientist* Jun. 2016 - Jun. 2017
  - Developed recommendation algorithms for supporting sales representatives in achieving their goals.
  - Worked on lead classification, forecasting the probability of sales and performance forecasting of sales teams. Improved lead classification accuracy by 11% by scraping industry trends from external sources.
- **Deloitte Consulting** Bangalore, India  
*Business Technology Analyst* Aug. 2015 - May. 2016
  - Developed interfaces for Data Processing, Data Conversion and Inbound and Outbound migration of Data using SQL, SSIS, SQL Jobs and Batch Files for use through the CRM Software Application - Siebel.
  - Developed processes to detect inconsistencies in data, creating error logs and reporting them to the client.
- **The Ohio State University** Columbus, OH  
*Graduate Teaching Assistant* Jan. 2018 - May. 2018
  - CSE 2111 Spreadsheets and Databases Instructor for the undergraduate course that teaches spreadsheet and database modeling, programming concepts and techniques to solve business related problems.

## PROJECTS

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- **Sentiment in Football Tweets** Jun. 2016 - Jul. 2016
  - Calculated the sentiment score at each minute, using it to plot a sentiment score versus game time graph to study the correlation between spikes in the graph with an event in the game.
- **Feature Based Review Summarization** Dec. 2014 Mar. 2015
  - Developed an algorithm to produce a feature-based scoring of a product using the customer feedback.
- **Exploratory Data Analysis & Classification**
  - **Logistic Regression:** Built using NumPy to predict whether a student will be admitted to a university or not.
  - **Twitter Lang Mix:** Analysis of the spread of languages, emojis and comparison of LangID vs Twitter's Lang ID.
  - **Census Income:** Analysis and comparison of classifiers like Neural Nets, SVM, Decision Trees and Adaboost.

## AWARDS

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- **High 5 Award for Exemplary Employee Performance:** Emplay Analytics, 3rd Quarter of 2016
- **Applause Award for Outstanding Performance:** Deloitte Consulting, November 2015