

# Sanjana Ramankandath

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## EDUCATION

**Santa Clara University, Leavey School of Business**  
**Master of Science in Business Analytics**

**Santa Clara, CA**  
Sep 2019 – Mar 2021

Relevant Coursework: Data Analytics with Python, Database Management Systems, Database Modelling, Data visualization, Machine Learning, Deep learning, R programming, Statistics, Econometrics, Marketing Analytics, Big Data Modelling

**Cochin University of Science and Technology (CUSAT)**  
**Bachelor of Technology in Computer Science & Engineering**

**Cochin, India**  
2010 - 2014

## TECHNICAL SKILLS

**Programming Languages:** SQL, Python (pandas, NumPy, SciPy, seaborn, Scikit-learn), R, Unix  
**Technology:** Machine Learning Algorithms, Regression models, NLP, Web scrapping, Big Data, Hadoop/Hive  
**Tools:** Tableau, Informatica, StreamSet 3.0, Microsoft Excel  
**Database:** MySQL, Oracle, Teradata, BigQuery

## EXPERIENCE

**Data Science Practicum Internship, Lam Research (San Jose, CA)** Jan 2020– Dec 2020

- Improved the efficiency of technology scout by 10-20% by automating the scouting process. The project involves accelerating the acquisition of background information on companies of interest, classifying those companies using NLP according to taxonomies used by the Technology Scout and visualize it using dashboard.

**Analyst, Cognizant Technology Solution (India)** Jan 2015 – July 2018

- Key Clients: AT&T, Wunderman & Anthem
- Performed data analysis and validation of ETL logics using SQL to ensure 18 million of DTV customers are migrated to AT&T with zero data loss. This helped the client to have a seamless process to convert customers to AT&T
- Automated frameworks using SQL and UNIX to detect issues in advance for effective troubleshooting during the process of conversion. Automation cut 10 hours per week of manual work.
- Used SQL and Excel to ensure data quality and integrity. Identified and eliminated duplicated and inaccurate records
- Awarded “Best Performer” for exemplary work for two consecutive years.

## PROJECTS

### Predicting rental trends based on Airbnb dataset:

Analyzed Airbnb dataset using R to find interesting patterns and distilled data into charts for easy visualization

- Identified densely packed Airbnb zones within a city using the zip code of rentals and determined growth rate of new hosts and the month when highest number of hosts join Airbnb in each city.

### Zomato Restaurant Analysis:

- Using Python, classified co-relation between price, ratings, locations, and customer sentiment to help entrepreneurs get insights on ideal locations to start a business and provided statistical approaches they can take to make the business successful.

### Amazon Product Review:

Analyzed Amazon product reviews during holiday season (Nov-Jan) using R

- Identified Amazon’s most successful electronic products for the holiday season.
- Compared the review pattern for the most popular product over period of 90 days after the product launch.

### House Price Prediction:

- Used multivariate linear regression model in R to determine the factors affecting the House price and employed appropriate statistical tests.

### Pneumonia classification - Deep learning:

Built a classifier using transfer learning for detecting pneumonia with a minimum accuracy of 91%.

### Tableau:

- Created a data rich visualization that provides insights on the US Top 50 and India Top 50 songs on Spotify.
- Created a dashboard to visualize the factors affecting the mental health of women in tech for Grace hackathon.