

## WORK EXPERIENCE

**Service Titan:** Data Scientist, Business Strategy July 2019 – June 2020

- Developed ML model for predicting the trade of a job using NLP, Redshift, EC2 and Multi REST API interactions, resulting in 98% accuracy and usage as a feature in other Models and KPI Dashboards.
- Lead Big Data Acquisition by vetting and benchmarking against Zillow. Collaborate with cross-functional stakeholders to create a business case resulting in 2.3 Million ARR
- Collaborated with Email Marketing product and engineering teams for optimal send time feature by generating tableau dashboards for tracking metrics, leading to 2% and 5% increase in open rates and revenue, respectively.
- Automated reporting data visualizations for clients, contributing a 5-point increase to the overall NPS.
- Built hybrid model for gaming detection on platform, using linear regression and SVM, resulting in identification of new growth verticals and increased revenue by 20% from existing customers.

**USC Integrated Media Systems Center:** Researcher Dec 2018 – May 2019

- Deployed Random forest classifier model to predict whether a test subject is in a polluted environment, achieving 97% accuracy.
- Overhauled ETL process for data acquisition from AerNos and designed table schemas for MYSQL database.
- Assigned Product Manager role for the web service. Stack used, Node.JS, Express, Mongoose & MongoDB.

**Gisecke & Devrient:** Software Engineer Jul 2016 - Dec 2016

- Deployed 2016 3GPP specification feature list to 2015 SIM card O.S with 100 % feature matching with current generation SIM cards.
- Debugged OS errors for 9 features in 2016 SIM cards resulting in reduced bugs in the Beta launch of product.

**TATA Motors R&D:** Product Analyst Intern – Data Science Jul 2015 - Dec 2015

- Performed data gathering for Beta vehicles using multiple ECU's and automated storage process, saving 10 hours per week, and generating a repository of over 1Tb.
- Designed and analyzed A/B experiments to evaluate the impact of changes to the app UI, leading to 1.2% increase in engagement.
- Developed driver performance analytics dashboard for Android and IOS app, used by 100K active TATA car owners worldwide.
- Launched Android and Infotainment app with a cross-functional team by coordinating between marketing, product and software development teams for [ConnectNXT](#) App.

## EDUCATION

**University of Southern California, Master's in Data Science & Communication: GPA- 3.94** May 2019

Courses - Machine Learning, Data Mining, Database Management, Data Visualization, Marketing Analytics, Communication Research & Analysis, Multidisciplinary Product Management & Design, Probability & Statistics

**Symbiosis International University, B. Tech in Electronics & Telecommunication** April 2016

Courses - Artificial Intelligence, C, D.S & Algorithms (Computer Science), Math, Economics, Programming.

## SKILLS

**Languages & Tools:** Python, SQL, JavaScript, HTML, CSS, Scala, Tableau, Excel, R, MATLAB, Salesforce.

**Data Science:** Heroku, AWS EC2, Redshift, Azure, MongoDB, Firebase, Scikit-learn, OpenCV, NLTK, Spark, Hadoop, Angular, Node.js, D3.js, Bootstrap, Web Scraping.

## PROJECTS

**Stock Trading Bot:** Built a dividend stock recommender using Alpaca API, Robinhood, PythonAnywhere and MailChimp to create recommendations for 100 users averaging 1.5% higher returns than standard ETF.

**Kaggle's Wikipedia Toxic Comment Cleanup Challenge:** Collaborated on a Kernel for EDA, Feature Extraction, Model Building & Data Analysis. *Achieved 98 % accuracy* and landing in the top 10 teams.

**Sentiment Analysis for network providers:** Implemented reservoir sampling algorithm on Twitter stream by using Random forest classifier to conduct comparative brand analysis for AT&T, ranking 3<sup>rd</sup> in the hackathon.

**Uber vs Buy:** Created an online interactive Data visualization and reporting dashboard using Uber & Google API in Angular with D3.js and Node.js to allows users to take data-driven decisions.