

Nikhil Surve

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SUMMARY:

- **Data Scientist** with 2+ years of experience designing data-driven solutions to aid decision making and automation
- Proficient at predictive modeling and in-depth knowledge of machine learning algorithms
- A thorough understanding of the entire process of data science project involving preprocessing, training, evaluating and optimizing models using a wide variety of tools such as **Python, SQL and R** programming and firsthand experience in Big Data tools like **Hadoop, Spark and Hive**

RELEVANT EXPERIENCE

Grow Financial Federal Credit Union, Tampa, Florida

Jan 2019-Present

Data Science Intern

- Enhanced the **CLV (Customer Lifetime Value)** model using **customer segmentation** techniques **by 15%**
- Tackled imbalanced data issues through **SMOTE algorithm** to improve the model performance significantly
- Performed **what-if analysis** to providing data-driven proof of benefits by eliminating an external ATM service
- Used **Python, SQL** to manipulate ATM transaction data to provide recommendation to eliminate one of the external service providers

Midco, Sioux Falls, South Dakota

May 2018 – August 2018

Operations Analyst Intern

- Performed descriptive analysis using **Python** and **SQL** to identify opportunities for notable cost savings (**\$95,000**) by eliminating one of the modems of Midco
- Performed **market research** on spatial data to provide data-driven recommendations to extend the Midco network
- Developed interactive dashboards for various teams to easily analyze the performance of agents to give incentives
- Developed and maintained new **ETL solutions** to integrate data from various internal/external sources using **Python** and **SSIS** and normalized large datasets, to create mapping for migrating disparate systems

Infosys LTD, Mangalore, India

Sep 2015 – Mar 2017

Systems Engineer

- Proactively resolved complex data integrity issues by writing complex SQL queries.
- Data migrating and cleaning using **Python**, developed comprehensive data visualizations analysis (**Tableau**)

EDUCATION:

Master of Science in **Business Analytics and Information System** (University of South Florida, GPA 3.66/4.00)

May 2019

Bachelor of Engineering in **Information Technology** (Mumbai University, India)

May 2015

Location Based Reminders: [Research Paper](#)

CERTIFICATIONS:

Tableau Desktop Specialist, **SAS® Certified Base Programmer** for SAS® 9

RELEVANT PROJECTS:

Retail Used-Car model comparison (Python(scikit-learn), Tableau) ([Github](#))

Fall 2018

- Developed and optimized predictive models for various used-car retailers to serve as platform for market research
- Web scraped data using **Python** and utilized descriptive statistics to draw insights and test hypothesis using **matplotlib**
- Created Pipelines to streamline steps of predictive modelling and GridSearch to find the best parameter combinations

California Housing Rate Analysis and Predicted (Hadoop, Spark, AWS S3) ([Github](#))

Spring 2018

- Predictive Modelling for real estate companies to target right clients for their marketing efforts
- Used **Sqoop** interface to ingest data into HDFS and performed predictive modelling using **PySpark** interface
- Tweaked supervised machine learning models like **Regressions, Random Forests, GBoost** to find best statistically significant features for determining price

Employee Churn Analysis and Prediction (R, Tableau)

Fall 2017

- EDA and predictive modelling of around **1500 employees** to identify significant factors affecting employee attrition
- Extensive data transformations and preprocessing to best suite **OLS** model and better predictions
- Used **Tableau** for statistical insights and **RShiny** package for creating Interactive Dashboard Application