**SUNIL RAJ THOTA**

Boston, MA, USA

## EDUCATION

**Northeastern University**, Boston, USA **Sept 2020 - Present**

*Master of Science, Analytics*

Courses: Database Management Systems, Business Intelligence, Data Warehousing, Statistics, Data Science & Visualization

**Andhra University**, Visakhapatnam, India **Sept 2014 - May 2018**

*Bachelor of Engineering, Electronics & Communications Engineering*

Courses: Data Structures & Algorithms, Programming and Problem-solving, Web Development, Probability, Linear Algebra

## TECHNICAL SKILLS

**Languages & Frameworks:** Python, R, SQL, MS Excel, Tableau, Power BI, Hadoop, Apache Spark, R Shiny

**Libraries:** Pandas, Numpy, Scikit-Learn

**Databases & Cloud:** MySQL, AWS

**Others:** Git, BitBucket, Jira, Communication, Teamwork, Analytical, Collaboration

## WORK EXPERIENCE

**Esri**, Redlands, CA, USA | ***Business Intelligence Intern*** **July 2021 - Sept 2021**

* Developed predictive analytics data models to increase the overall learner engagement rate in the Esri’s Learning Portal
* Performed ad-hoc data analysis using SQL to identify opportunities and improved CX Team strategies

**MOURI Tech**, Visakhapatnam, India | ***Senior Software Developer* July 2018 - Sept 2020**

* Managed a team to develop and launch Mobile Finance Web App within timeline and steered thousands of transactions
* Spearheaded Financial Reporting Tool using ReactJS, Angular 10, Kube.js & Apache Superset for data visualizations
* Devised complex client-focused product strategies and managed proprietary data of various companies to increase profits
* Communicated and Optimized code delivery to the browsers (e.g., lazy loading assets, CDNs, caching, compression)
* Troubleshoot design issues through root cause analysis, peer code reviews, coding practices, business needs, and cleanups
* Mined huge amounts of COVID 19 data to make strategic decisions, business insights, and overhauled sales

## PROJECTS

***Data-driven New York City Street Trees Management* Feb 2021**

* Built Interactive Dashboards using R Shiny & Tableau to gain insights and improved the operational efficiency to 36%
* Investigated and analyzed the best practices, strategies, and business to understand the trends and developments

***Portuguese Bank Tele Marketing Campaign* Jan 2021**

* Increased the effectiveness and performance by predicting the customer's cash flow and term deposit frequency's
* Performed and Gained an accuracy of 91.21% with the Decision Tree Algorithm when related to the other models

***Mechanisms of Actions Drug Prediction Algorithm* Dec 2020**

* Applied and built Logistic Regression, Decision Tree, Random Forest, Gradient Boosting, XG Boost tests, and PCA
* Led a team of 3 to predict drugs based on biological actions, and contact of medicines with body cells

***US Super Store Global Sales* Nov 2020**

* Augmented an interactive, dynamic, and user-friendly Excel Dashboard using slicers, filters, pivot tables, and charts
* Interpreted data to draw decisions for managerial actions, business strategies, operations, and performance

***Stock Price Analysis* Oct 2020**

* Harvested data from Yahoo Finance and performed forecasting. Seen how stock price has changed over time
* Examined index, open, close, high, low, volume, and adjusted values of stocks data in Python and R

***COVID 19 Dashboard* Sept 2020**

* Analyzed the Coronavirus COVID 19 Global Cases from John Hopkins University CSSE and generated a Console
* Investigated, forecasted, and visualized pandemics after-effects and trends every day with real-time information