

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