SAI SREESHMA THUPAKULA

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EDUCATION

OKLAHOMA STATE UNIVERSITY .... Stillwater, Oklahoma, USA
Master's in Business Analytics and Data Science- CGPA: 3.7/4.0 .... 2021-2023(Expected)
Coursework: Programming for Data Science, Statistics, Descriptive Analytics, Predictive Analytics, Data Warehousing, Prescriptive Analytics, Data Visualization, Advanced Business Analytics.

OSMANIA UNIVERSITY .... Hyderabad, Telangana, India
Bachelor of Engineering, Computer Science Engineering - CGPA: 8.24/10 2015-2019
- Was awarded a full-ride scholarship; Graduated with first-class and distinction.

Coursework: Data Mining, Machine Learning, Design and Analysis of Algorithms, Artificial Intelligence, Cloud Computing.

PROFESSIONAL EXPERIENCE

LOVE'S TRAVEL STOPS & COUNTRY STORES .... Stillwater, Oklahoma, USA

Data Scientist Intern .... Jan 2022-Present
- Developed a machine learning model to predict the EBITDA of Love's concentrating on the truck care team using Dataiku.
- Worked on the Pricing Strategies of a few restaurant concepts and performed segmentation based on items' price elasticity.
- Developed a machine learning model to forecast the sales of stores that does not have enough historical data by introducing various relevant external factors using Python.
- Developed a highly dynamic web application using Dataiku and Python that automates the generation of Test and Control Stores for the Control Store Testing that reduces the man-hours by atleast 60%.
- Created highly detailed report and interactive visualizations to better understand the data and draw insights.
- Played an active role in implementing the Controlled Store Tests for multiple tests.
- Worked on data preparation, developed queries to calculate various financial performance metrics and optimized queries to reduce run time and increase its modularity.
- Developed two detailed reports on the process of Test - Control Store matching and Regression using SAS.
- Redesigned and developed a highly dynamic Tableau dashboard to understand the impact of an operational change on the revenue and sales.

OKLAHOMA STATE UNIVERSITY .... Stillwater, Oklahoma, USA
Graduate Assistant .... Aug 2021-May 2022

- Worked as a Research Assistant in the Civil and Environmental Engineering to develop an online data mapping system for sewage reports of different cities of the USA using PyQt5, Python, and Vaex.
- Developed a Web application that transforms a Microsoft Access Database to a pre-defined data format and perform various metric checks using Django and MySQL.
- Working as a Teaching Assistant in the Spears School of Business to assist the director of our program.

THINK AND LEARN PVT LTD .... Hyderabad, Telangana, India
Business Development Analyst .... Oct 2020-Jul 2021
- Demonstrated expertise in analyzing different business performance metrics and develop insightful reports for upper management to draw accurate and reliable conclusions using MySQL, Excel, and Tableau.
- Actively involved in data extraction, cleaning, preprocessing, and maintaining the data integrity for analysis using Python.
- Successfully drove a "Quarterly Subscription" program by analyzing the sales information and played a major role in making the program permanent in the organization.

CODIVA SOFTWARE SOLUTIONS .... Hyderabad, Telangana, India
Software Developer .... Jul 2019-Aug 2020
- Coordinated with the Business Analyst and our teammates to develop and deploy iOS order management applications for an e-commerce client using Swift, MySQL, Java, XCode and Cocoa Touch and integrated the UI with the backend using Java and JDBC.
- Received the "Top Performer" Award, which is awarded for the best employee in the team for two different months.

NOTABLE ENGINEERING PROJECTS

SPORTS(CRICKET) ANALYTICS .... Sept 2021-Present
- Scraped the data using Cricinfo API and extracted information about each ball in multiple innings.
- Developed the ER diagrams and preprocessed the data to enrich existing attributes of a cricket event.
- Future Plan: Will perform text analytics on the commentary of every ball to analyze each player's performance, test hypothesis pertaining to a significant cricket event and build a model to predict the outcome of a team combination.

HEALTHCARE ANALYTICS .... Sept 2020
- A multi-class classification model to predict the patients' stay by analyzing each case for better resource allocation in hospitals.
- Preprocessed the data by label encoding the categorical variables and improving the features by aggregating various columns.

- Secured 11th rank among 1800+ participants in "Healthcare Analytics Hackathon-2" hosted by AnalyticsVidhya by developing a model with an accuracy of 81% using a voting classifier on boosting algorithms.

MULTILEVEL ITERATIVE MODEL FOR DETECTING DEPRESSION IN SOCIAL MEDIA USERS   Jan 2019- Apr 2019

- Scraped twitter data and engineered a platform that alerts the therapist when the depression levels of their patients are above the average level by analyzing the time series and textual data generated through their social media profiles to perform sentiment classification.
- NLP, Ensemble method using SVM with RBF Kernel and KNN were used to form a Multilevel Iterative Machine Learning Model and delivered results with an accuracy of 92.3%.

AWARDS AND HONORS

- Members Disney Data And Analytics Women Award - 2022
- Best Research Paper At SAS Analytics Conference - 2022

- One **LEADERSHIP EXPERIENCE**

FOUNDER AND PRESIDENT, TECHTARA: Sep 2017-May 2019

- Led a technical club with more than 350 female members, where students collaborate on inter disciplinary projects.

EXECUTIVE BOARD MEMBER, STREET-CAUSE CBIT: Aug 2016-May 2019

- Raised funds of 100,000 INR for development of schools in remote villages, constructing a water cistern that provided water for three villages in Telangana state.

SKILLS AND INTERESTS

TECHNICAL SKILLS: Python, R, C, C++, Java, MySQL, WEKA, SQL Server, IBM DB2, SAS, Snowflake.

TOOLS: Git, Tableau, Advanced Excel, TeraData, JMP, PowerBI, Dataiku DSS.

CERTIFICATIONS: IBM Certified Data Science Professional, Excel to MySQL Analytics Techniques Specialization by Duke University.

OTHER SKILLS: Forecasting and Modeling, SWOT Analysis, Trend Analysis, Project Management, Retail Marketing, A/B Testing.