**SPARSHA KUMAR AKULA**

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**EDUCATION**

**University of Connecticut | Hartford,CT                                                                                                 08/2022 - 08/2024**

*Master of Science: Business Analytics & Project Management*

**Keshav Memorial Institute of Technology | Hyderabad, India                                                              08/2017 - 08/2021**

*Bachelor of Technology: Computer Science and Engineering*

**SKILLS**

* **Soft skills:**Communication**,** Management and organization.
* **Technical skills:** Python (Numpy, Matplotlib, Pandas, Scikit-Learn), MySQL, Tableau, Java,C++, R, MS-Excel, Word, Power point,HTML,CSS,JS,Git
* **Analytics skills:** Data Analysis, Statistics, Neural Networks, Machine Learning, Clustering, Hypothesis testing, Regression Modeling, Dimension reduction, Data Visualization, Data Mining, Time Series Analysis, Text Mining.
* **Certifications:** English proficiency from Cambridge-BEC preliminary & Vantage; NPTEL-Big Data, Python Programming, Cloud Computing; COURSERA- Foundations of UX Design by Google, Neural Networks and Deep Learning

**PROFESSIONAL EXPERIENCE**

* **Annotatory - Intern                                                          10/2021 - 01/2022**

Learn and understand data-based application usage. Engage and assist with real time projects. Training in Data Science.

* **Bright Champs - Coding Educator                                                                                              01/2022 - 05/2022**

Tutored international students of age 10-18 years in the latest coding technologies -python, web development, AI, ML and block-based coding like scratch, Thunkable etc.

* **Asha De-addiction and Rehabilitation Centre - Art Therapist       08/2021 - 08/2022**

Provided therapeutic art activities, guided group tasks, and taught relaxation art forms to rehab patients.

* **Voice 4 Girls- Program Coordinator                                                                                     08/2018 - 09/2018**

Volunteered in an empowerment program for marginalized adolescent girls in India. Facilitated a 20-day training camp as a field coordinator.

**ACADEMIC PROJECTS**

* **Graphology|Android application|Python(Tensor Flow, Matplotlib)|CNN|ML|** An android application that could predict one's personality by scanning the image of their handwriting sample. Built upon the ML model- Convoluted Neural Network & implements Tensor flow for image processing.
* **Uniform Crime Reporting Offenses Analysis|SQL|Mariadb|** Identification of crucial variables highly impacting the level of criminal activity in Connecticut & several factors causing a rise in criminal behavior.
* **Easy Analysis of Company's Ideal Customers|JMP|** A research project that gives insights about customers who are most likely to purchase the company's products. Implemented SEMMA process through which the best model was chosen by different model comparisons and model fitting techniques.
* **Climate Change Data from 1750-2015|Time Series analysis & Forecasting|** A research project that aims to use forecasting techniques to analyze time series data related to land and ocean temperature readings. Used the data to predict future temperature patterns and assess the uncertainties associated with these predictions. Applied various statistical methods, including regression and time series models, to analyze the data and develop accurate and reliable forecasts.

**ACHIEVEMENTS**

* Co-authored an **Anthology.**
* Acquired **Special Mention** at **Virtual Hyderabad Model United Nations 2020 conference** as a delegate of U.S.A in a **debate on International Monetary Fund**s.