**Daneeth Reddy Tadiparthi**

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**EDUCATION**

**University at Albany, State University of New York Jan. 2021 – Dec2022**

Masters in Data science Albany, NY

**AMRITA VISHWA VIDYAPEETHAM DEEMED TO BE UNIVERSITY Jun.2015 –May.2019**

Bachelors of Science in Electronic and communication Coimbatore, India

**RELEVANT COURSEWORK**

* Modern computing of Mathematicians (Python)
* Topological Data Analysis
* Machine learning
* Statistical Analysis
* Database and Data Analysis (SQL)

**TECHNICAL SKILL**

* **Languages:** C language| Python | MATLAB | Arduino | SQL | Verilog | VHDL | 8085 Assembly | R-language
* **Tools:** MS-Office| Window | Linux | HFSS | Proteus | Tina Simulator | Tensor Flow | Raptor | Scratch | Jupiter Notebook | Anaconda | Git Hub | Neo4j Graph Development | Valentia studio 11|Microsoft Azure | Spark.
* **Data Science Technique:** Model Development | Model testing | Model Training | Model Validation | Data Selection.

**CERTIFICATION**

**Azure Databricks & Spark Core for Data Engineers**|(Python/SQL) **Aug.2022**

**Python|** Basic, NumPy, Pandas, Matplotlib, seaborn, neural network and scikit learn **Aug.2020**

**BSNL Industrial In-plant Training Jul.2018**

**FPGA Design with Verilog Feb.2017**

**MS. Office|** Word, Excel, and PowerPoint **Apr.2013**

**PROJECTS**

**Practicum in Machine Learning Nov.2022**

* Implemented datasets like 911, MNIST classification, and iris flower using the Machine Learning method.
* Used different machine learning algorithms, predicted accuracy, confusion matrix, error rate and plotting the maps for the dataset.

**Predicting Cardio-Vascular disease Project| Python Mar.2021**

* Implemented Decision Tree method on this Data.
* Analyzed entropy accuracy and depth of the decision tree and compared with different machine learning algorithms.

**Moisture detection| RF Sensor Mar.2019**

* Using an Active RF Sensor system to detect Large Area Moisture Detection for different soil.
* Created a Transmission line model sensor designed to detect the moisture content present in the soil, and an idea to automate the process without human interaction is proposed.
* Predicts the water level for different kinds of farming for different soil.

**Traffic Signaling| Arduino board Mar.2018**

* Implemented a four-road junction traffic signaling system, which allows more traffic among the four to be permitted first.
* Arduino board and IR sensors were used in automation.
* The project saves time and avoids traffic jams and other emergencies without human interference.

**Image compression, Bass adjustment|** MATLAB **Nov.2016**

* Mini project on “Image compression and image editing”
* Mini project on “Bass adjustment of an audio signal”