

Daneeth Reddy Tadiparthi

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EDUCATION

University at Albany, State University of New York
Masters in Data science

Jan. 2021 – Dec.2022
Albany, NY

AMRITA VISHWA VIDYAPEETHAM DEEMED TO BE UNIVERSITY
Bachelors of Science in Electronic and communication

Jun.2015 –May.2019
Coimbatore, India

RELEVANT COURSEWORK

- | | | |
|---|-----------------------------|------------------------------------|
| • Modern computing of Mathematicians (Python) | • Topological Data Analysis | • Statistical Analysis |
| | • Machine learning | • 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)
Python | Basic, NumPy, Pandas, Matplotlib, seaborn, neural network and scikit learn
BSNL Industrial In-plant Training
FPGA Design with Verilog
MS. Office | Word, Excel, and PowerPoint

Aug.2022
Aug.2020
Jul.2018
Feb.2017
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”

