

ANITA TELADEVALAPALLI

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EDUCATION

UNIVERSITY OF COLORADO

Master of Science in Data Science

Cumulative GPA: 3.66/4.0

Relevant Coursework: Statistical Methods and Applications, Data Structures and Algorithms, Machine Learning (spring 2022), Data Mining (Spring 2022)

Boulder, CO

Expected May 2023

V R SIDDHARTHA ENGINEERING COLLEGE

Bachelor of Technology in Information Technology

Cumulative GPA: 3.85/4.0

Relevant Coursework: Statistics and Probability, R for Data Science, Big Data, Data mining, DBMS

INDIA

Jul 2016 - Sep 2020

TECHNICAL SKILLS

SQL, Python (NumPy, pandas, scikit learn, matplotlib, sklearn, seaborn), R (tidyverse, dplyr, ggplot2), Tableau, Java, C, JavaScript, HTML/CSS, MATLAB, PHP.

WORK EXPERIENCE

INDIAN INSTITUTE OF TECHNOLOGY

Research Intern

Chennai, IND

Dec 2019- Apr 2020

- Designed a program to check the function of brain before and after the Shirodhara, an ayurvedic treatment to induce relaxation. I conducted signal processing techniques along with Independent Component Analysis Algorithm to study the brain waves and discovered that there was a 40% increase in the relaxation after this treatment.
- Analyzed the statistic measures of EEG waves like power spectral density, alpha/theta ratios to study the different EEG waves using the python and Machine learning. It was assessed that the maximum EEG waves were produced between the alpha and theta band in the range of 6-10.5 Hz which is considered to have a calming effect.

INDIAN INSTITUTE OF TECHNOLOGY

Summer Intern

Chennai, IND

Apr 2019 – Jun 2019

- Developed a program in python to clean the EEG signals of 8 subjects collected throughout the week instead of manually cleaning the data in MATLAB.

PROJECTS

Authentication of Bank data using TensorFlow

Jul 2021

- Worked on Bank Authentication Dataset to classify whether the bank is authenticated or not and used TensorFlow to classify the authenticity and achieved 97% accuracy in classifying them and compared results to the RandomForest Classifier to compare the accuracy which resulted in 98% which is almost close.

YouTube Trending videos statistical analysis in python

Dec 2021

- Implemented analysis on top 200 trending videos to analyze the strongest correlation variable that is affecting views by visualization techniques.
- Performed T-test analysis and found that Videos with ratings disabled usually get twice the number of views as videos with ratings enabled by finding the mean difference, analyzed tags and tags with most views.

E-commerce company's data analysis

Nov 2021

- Performed analysis on a New York based E-commerce company's data to check if the company has to focus on their website development or app development in order to increase the number of customers using Linear regression.
- It was predicted that with a unit increase in time on app is associated with an increase of 38.59 total dollars spent.

Customer Segmentation clustering on Grocery firm's data

Sep 2021

- This project is performed using unsupervised clustering. I implemented dimensionality reduction followed by agglomerative clustering.
- 4 clusters were found out and they were further used to profile customers in clusters based on their family structures and income/ expenditure which can be to make better strategies.

ADDITIONAL

Certifications & Training: Python for Data Science and Machine Learning Bootcamp (Udemy)

Publications: Coauthored "The effects of Alpha\theta neurofeedback to Shirodhara", under guidance of prof. C. Lakshmana Rao Sc.D. (MIT) in 2020.