ADITYA KUMAR

An aspiring data analyst who seeks to leverage data and analytical expertise to enhance corporate performance as a data analyst. I aim to attain and to work for an organization that provides me opportunities to improve my skills and knowledge to grow along with the organization's objectives.

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PROJECTS

WiDS Datathon 2023 - Adapting to Climate Change by Improving Extreme Weather Forecasts on Kaggle

- I used machine learning techniques to forecast the temperature to improve longer-range weather forecasts and adapt to extreme weather events caused by climate change.
- Exploratory Data Analysis (EDA), deal with missing value and handle object type feature,turn categorical columns into dummy variables.
- Trained with Lasso Regressor ,Linear Regressor,the XGB Regressor and Random Forest Regressor. Best prediction score with Lasso Regressor i.e. 1.419 MSE(Mean Squared Error) from Kaggle submission.

Student's marks prediction

- By using machine learning technique to predict the marks of the students that is based on their study in hours in a day
- Clean the data: Fill the Null values with mean of that feature
- Train the data by using Linear regression with accuracy of 95%.
- I used Flask HTML and CSS for webpage

Thyroid Detection

- Thyroid disease is a common cause of medical diagnosis with an onset that is difficult to forecast in medical research.
- I use the machine learning technique. I build a models and compare their performance then it is evaluated on various performance measuring parameters like accuracy, F1 score, and on AUC curve.
- I use the Random Forest with accuracy of 88% and the XG-Boost model with accuracy of 87% for prediction

SKILLS

- Python Programming
- Machine Learning
- Statistics
- MySQL
- Pandas
- Seaborn
- matplotlib
- PowerBI
- Numpy

SOFTWARE

- Jupyter Notebook
- Github
- Vscode
- Rstudio
- MS-Excel
- PyCharm

EDUCATION

MSc Big Data Analytics

Dept. of Data Science and Analytics, Central University of Rajasthan,Ajmer

📅 November 2021 - 2023

Bachelors's in Computer Application

Babasaheb Bhimrao Ambedkar Bihar University,Muzaffarpur

📅 2018 - 2021

ACHIEVEMENTS

- Secured 1st position in WiDS-2023 Datathon that is organized by Dept. of Data Science & Analytics, Central University of Rajasthan
- Three star badge in MySQl on hacker Rank
- Two star badge in Python programming on hacker Rank

CERTIFICATION

- Full stack Data Science Bootcamp(Ineuron)

INTERESTS

- Data Science
- Data Analysis

HOBBIES

- Cricket
- Volleyball
- Programming