



# Alekhy Purnima

## Data Science Enthusiast

Energetic and committed data science under graduation student eager to dive into intricate datasets and discover valuable insights. I'm dedicated to excelling as a data analyst, equipped with skills in analysing data, shaping it effectively, and using statistical models and machine learning. I'm excited to leverage my technical abilities to contribute to data-driven solutions that support business growth within a collaborative environment.

## Contact

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- <https://github.com/Alekhy1508>

## Education

- 2020 - Present  
Bachelor of Technology in  
Data Science  
NIIT University, Neemrana
- 2018 - 2020  
Intermediate(MPC in SSC)  
Sri Chaitanya Junior College,  
Gudavalli, Vijayawada
- 2014 - 2018  
CBSE  
Dr.KKR's Gowtham International  
School, Gudavalli  
Vijayawada, Andhra Pradesh

## Languages

English

Telugu

Hindi

## Projects

### ● Sentiment Analysis on Financial News Headline Data

Aim: To conduct sentiment analysis to gauge market sentiment and enhance predictive insights for informed investment decisions.

TechStack: Python, EDA, NLTK, ML.

### ● Development of an Interactive Web-based Geo-visual Analytics platform for Analysing Crime Data

Aim: Usage of Data Visualization Techniques to showcase geospatial data and key statistical features combined in an intuitive interface.

TechStack: OpenLayers, React, QGIS, Geo-Server.

### ● Chronic Kidney Disease Classification

Aim: To develop accurate classification model by utilizing patient data to facilitate early diagnosis and informed healthcare decisions.

TechStack: Data Cleaning, Python, ML models.

### ● Seoul Bike Trip Duration Prediction

Aim: Utilized predictive modelling techniques to forecast trip durations, aiding in optimizing resource allocation and enhancing urban transportation efficiency.

TechStack: Python, Data Cleaning, EDA, Predictive Modeling techniques.

## Achievements

### Participated in ISWTA2023 International Conference

- Date :** 15th-16th August, 2023
- Description :** Actively engaged in the IEEE Symposium on Wireless Technology and Applications(ISWTA), a premier event that convened experts and professionals from around the world in the paper presentation entitled Development of an Interactive Web-based Geovisual Analytics Platform for Analysing Crime Data.

## Certifications

- Data Science A-Z™: Hands-On Exercises [2023]
- Deep Learning: Advanced Natural Language Processing and RNNs

## Skills

- Python
- Machine Learning
- Tableau
- Power BI
- SQL
- Data Visualization
- Natural Language Processing
- Deep Learning
- Statistics & Probability
- Exploratory Data Analysis