

# CHEBROLU TRILOKESH VENKATA UDAY

## Data Analyst

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[GitHub](#)

## PROJECTS

### AeroBook

- Developed a Python-based flight ticket booking system with functionalities for booking, cancellation, and feedback. Integrated ReportLab for generating watermarked PDF tickets and implemented secure email notifications using smtplib with SSL encryption.
- [Github Repo](#)

### Liquify

- This project is based on a dynamic recommendation engine powered by Machine Learning algorithms to provide personalized suggestions. It includes an interactive user questionnaire to collect preferences for tailored recommendations. Additionally, the project integrates AI-generated product videos using text-to-video synthesis, delivering detailed insights into each product for an enhanced user experience.
- [Github Repo](#)

### Wine Quality Analysis

- The project focuses on analyzing wine quality by exploring its features, identifying patterns through data visualization, and building machine learning models for classification and prediction. Key steps include data preprocessing techniques such as outlier removal, scaling, and transformations to prepare the dataset. Data visualization, including feature distribution plots, was utilized to gain insights into the data. Finally, regression and classification models, including Linear Regression and Support Vector Machines (SVM), were implemented to analyze and accurately predict wine quality.
- [Github Repo](#)

### Stock Price Prediction

- The project preprocesses stock data by normalizing the "Close" prices and splitting the dataset into training and testing sets, ensuring it is properly prepared for input into an LSTM model. The LSTM model is then built, trained, and evaluated using metrics such as RMSE, MSE, and MAE to predict future stock prices with accuracy.
- [Github Repo](#)

## SUMMARY

Pursuing a BTech in Computer Science and Technology. Specializing in Data Science with a strong foundation in Data Structures and Algorithms. Proficient in Data Analytics and well-versed in machine learning and deep learning techniques. Experienced with programming languages including C, C++, Java and Python. Skilled in database management using MySQL and Mongo DB, and passionate about applying AI to solve real-world problems. Eager to contribute technical expertise in cutting-edge projects and further enhance problem-solving abilities. Excellent teamwork and communication skills, with a drive for continuous learning and development.

## TECHNICAL SKILLS

- Data Analysis, Machine Learning using Python
- Data Scrapping
- Big Data Analytics (Apache Spark, Hive, Hadoop)
- DSA using C++
- DBMS using MySQL and Mongo DB
- Collaborative Development using Github
- Software Management
- Worked with various Operating Systems
- Familiar with Computer Network

## CERTIFICATIONS

[Exploratory Data Analysis for Machine Learning](#) [Certification Link](#)

[Introduction to MS Excel](#) [Certification Link](#)

[Business Analytics with Excel Certification Link](#) [Certification Link](#)

[Supervised Machine Learning: Regression](#) [Certification Link](#)

## EDUCATION

Bachelors of Technology : CGPA - 8.9/10

Bennett University

09/2022 - 06/2026 Greater Noida, India

## SOFT SKILLS

- Communication
- Problem Solving
- Critical Thinking
- Adaptability Time
- Management