NESAI BHARATH

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# SUMMARY

Passionate Data Scientist & Machine Learning Engineer with strong analytical and problem-solving skills. Experienced in data preprocessing, statistical modeling, machine learning algorithms, and deep learning frameworks. Skilled in Python, SQL, Power BI, and TensorFlow, with a focus on predictive modeling and data-driven decision-making.

Seeking opportunities to apply data science and machine learning expertise to solve real-world challenges and drive business value.

# TECHNICAL SKILLS

**Programming:** Python, SQL

**Machine Learning:** Supervised & Unsupervised Learning, Feature Engineering, Model Evaluation

**Deep Learning:** TensorFlow, Keras, CNN, RNN, Transfer Learning

**Visualization:** Tableau, Power BI, Excel Charts, Jupyter Notebook

**Soft Skills:** Excellent verbal and written communication skills, presentation, and story telling skills

# EDUCATION

**M.C.A Master of Computer Application** Graduating Vikrama Simhapuri Universtiy, Nellore. 2022-2024 8.0%

**Bachelor of science (MECs)** Graduating Govt.college for men(Autonomous), Kadapa . 2019-2022 7.4%

# TECHNICAL PROJECTS

* **Vikrama Simhapuri Universtiy, Nellore -** *Crime Rate Prediction and Analysis using ML* May 2024 - Aug 2024 (**GitHub:**[**Project\_Link**](https://github.com/Bharath-690/Crime-rate-prediction-and-analysis-using-Machine-Learning-)**)**

This project aimed to predict and analyze crime rates using machine learning. The focus was on data preprocessing, clustering, and applying machine learning models for crime rate prediction, along with data visualization for insightful analysis.

## Key Responsibilities and Achievements:

**Data Preprocessing:**

Loaded and cleaned crime data, handling missing values by imputing the mean.

Applied one-hot encoding to convert categorical data into numerical format.

## Clustering Analysis:

Used K-Means clustering and the elbow method to identify optimal crime patterns across regions.

## Data Splitting and Feature Scaling:

Split the data into training/testing sets and applied feature scaling for model accuracy.

## Data Analysis and Visualization:

Analyzed crime trends visualized crime rates using bar charts and pie charts to display regional crime distributions.

* **AMUL DAIRY,** **Madanapalli-** *SQL-Based Data Cleaning and Power BI Analysis of Amul BMC and Tanker*  Sep 2024 - Dec 2024 (**GitHub:**[**Project\_Link**](https://github.com/Bharath-690/SQL-Based-Data-Cleaning-and-Power-BI-Analysis-of-Amul-BMC-and-Tanker-Data)**)**

this is a data analysis project. It involves cleaning and analyzing Amul's milk collection and distribution data. using SQL and Power BI. The focus is on visualizing key metrics like milk quality, delivery efficiency, and operational performance, to optimize the milk supply chain and improve decision-making.

**Key Responsibilities and Achievements:**

**Data Cleaning (SQL):**

Applied one-hot encoding to convert categorical data into numerical format.

## Power BI Data Cleaning:

Removed null and empty columns from the tanker data using power Bi’s data transformation tool.

## Data Visualization:

Created dashboards to analyze milk collection, quality, and tanker efficiency.

**Technologies Used:**

SQL, Power BI, Excel/CSV for data preparation and visualization.

## CERTIFICATION AND AWARD

* Fundamentals of Python Programming certification :- [**Udemy**](https://www.udemy.com/certificate/UC-b3ceeead-bf82-4865-9b92-43bbb5a30238/)
* Python 101 for Data Science :- [**Cognitive Class**](https://courses.cognitiveclass.ai/certificates/0ccfcb0028024b56b1d9faaed7fe96ca)
* CHESS(MEN) South Zone Inter - University Tournament 2023-2024,from 26th to 29th Jan 2024