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# YENIMETLA VENKATA KRISHNA CHAITANYA

Kurnool, Andhra Pradesh, India, 518003

## Objective

As a dedicated and ambitious student of Computer Engineering specializing in Data Science, my objective is to leverage my analytical skills, programming expertise, and passion for data-driven insights to contribute effectively to the field of data science. I seek opportunities that allow me to apply my knowledge of machine learning, statistical analysis, and data visualization to solve real-world challenges. I am eager to learn and collaborate with industry professionals to drive innovation and make meaningful contributions in the realm of data-driven decision-making. I may not be an expert in everything but I do know what all things I need to know.

## Experience

### Internships

#### Let's Grow More

sep 2021 - Jul 2021

Data Science and Analysis

Tasks :

1. Iris flowers classification ML project.
2. Prediction using Decision Tree Algorithm
3. Image to pencil Sketch using Python

#### The Sparks Foundation

Aug 2021 - Sep 2021

Data Science and Analysis

Tasks :

1. Prediction using Supervised ML
2. Prediction using Unsupervised ML
3. Prediction using Decision Tree Algorithm

#### Mentorr buddy

Jun 2021 - Sep 2021

Data Science Intern

It is Data science internship where we are trained and given a project using supervised machine learning algorithms

#### Internshala

Jul 2021 - Aug 2021

Machine Learning Internship

I learned various machine learning algorithms

#### Forage

Jun 2021 - Jul 2021

Data Analytics

Tasks :

1. Data Quality Assessment -  
Assessment of data quality and completeness in preparation for analysis
2. Data Insights -  
Targeting high value customers based on customer demographics and attributes
3. Data Insights and Presentation -  
Using visualization to present insights

## Education

### Presidency University Bangalore

Computer Engineering ( Data Science)

2019-2023 — **8.83**

### Narayana junior college

Intermediate

**Keshava Reddy English Medium High School**

Andhra Pradesh Board of Secondary Education

2017 — 9.8

**Skills**

- C programming
- Python
- Data Science
- Machine Learning
- Deep learning
- Artificial intelligence
- Data Analytics
- Java
- OOPS
- DBMS
- MySQL
- MongoDB
- Data structures
- Problem solving
- Microsoft office

**Projects****Index Based Search Enabler For NoSQL Using MONGODB**

1)The Movie Database REST API is a **web-based application designed to offer a thorough and efficient solution for managing movie documents.**

2)The project has been built with **Node.js** for its server-side functionality, while **MongoDB** has been incorporated as the database.

3)The goal of this project is to act as **the backend for a scalable and adaptable movie database management system.**

4)It provides a flexible and effective method for storing, retrieving, and altering movie data, making it simple to integrate with other programmes or systems that need to have access to data on movies.

**Insurance cost prediction**

i)I am the team leader for this project.

ii)The main aim is to create a machine learning models to predict the 'insurance cost' with minimum MSE and RMSE and maximum R-square score.

Models :

- 1)Multiple linear regression (MLR)
- 2)Random Forest Regressor(RFR)
- 3)MLR with PCA
- 4)RFR with PCA

and plot the actual and predicted values of models.

**Gas Leakage Detector and Alerting System**

i) It is a IoT project and i am the team lead for this project.

ii)The aim of this project is **to automatically detect and stop gas leakage in vulnerable premises.**

iii)We have developed an Arduino based gas detector alaram.

iv) If gas leakage occurs, this system detects it and makes an alert by buzzing the buzzer attached with the circuit.

**Language**

English , Telugu ( NATIVE) , Hindi , Kannada

**Achievements & Awards**

Data Analysis with python (DA0101EN, provided by IBM) issued by Cognitive Class

AWS Certified Machine Learning specialty 2023 - Hands On! issued by udemy

Google Analytics Certification issued by Google Cloud