

KATTA VENKATESH  
Graduate  
github.com/whenkates

venkateshkatta1610@gmail.com  
+91-9010880785  
linkedin.com/in/venkatesh-katta/

## EDUCATION

| Degree    | Specialization                    | Institute                     | Year | CPI  |
|-----------|-----------------------------------|-------------------------------|------|------|
| B.Tech    | Computer Science and Engineering  | Sree Rama Engineering College | 2024 | 7.8  |
| HSC BIEAP | Physics, Chemistry, & Mathematics | Rayalasema A&S Jr College     | 2020 | 9.53 |
| SSC BSEAP | -                                 | Rayalaseema High School       | 2018 | 9.7  |

## WORK EXPERIENCE

- **AI-ML Virtual Internship** [Google for Developers] Jan-Mar 2024
  - **Completed AI-ML Internship with Google for Developers:** Gained hands-on experience in **Machine Learning** and **Artificial Intelligence** by working on real-world datasets, and implemented algorithms for **predictive modeling and data analysis**.
  - **Developed Machine Learning Models:** Built and evaluated machine learning models using **scikit-learn**, **TensorFlow**, and other industry-standard tools to solve practical problems and improve predictive accuracy.

## PROJECTS

- **Movie Rating Prediction** [Python, Exploratory Data Analysis, Machine Learning] Aug-Sep 2024
  - **Developed a Predictive Model for Movie Ratings:** Built a machine learning model using decision tree algorithms to predict movie ratings based on features such as genre, director, and cast.
  - **Data Preprocessing and Feature Engineering:** Performed data cleaning, handled missing values, encoded categorical variables, and engineered features to enhance model performance.
  - **Model Evaluation and Optimization:** Evaluated the model using cross-validation, and optimized hyperparameters to achieve high accuracy and prevent overfitting.
- **Climate Data Analysis** [Python, Timeseries Analysis, Machine Learning] Nov-Dec 2024
  - **Performed Climate Data Analysis:** Analyzed large datasets containing historical climate data to identify trends, patterns, and anomalies in weather variables like temperature, precipitation, and humidity.
  - **Data Preprocessing and Cleaning:** Cleaned and transformed raw climate data, handling missing values, outliers, and ensuring data consistency for accurate analysis.
  - **Trend Analysis and Forecasting:** Conducted trend analysis to examine long-term climate changes and used time-series forecasting techniques to predict future climate patterns.

## TECHNICAL SKILLS

- **Languages:** C, Python, R
- **Database:** MS SQLServer, MySQL, Postgres, MongoDB
- **Data Analysis:** Statistical Analysis, EDA, Time Series Analysis
- **Machine Learning:** Algorithms, Model Evaluation, Model Deployment
- **Soft Skills:** Communication, Time Management, , Self Learning, Problem Solving

## CERTIFICATES

- Certificate on **Learning Analytics Tools** from NPTEL and IIT Bombay
- Certificate on **Introduction to Machine Learning** from NPTEL and IIT Madras
- Certificate on **Data Analytics with Python** from NPTEL and IIT Roorkee
- Certificate of Course Completion on **Data Analytics Essentials** from CISCO Networking Academy