Goondam Ramalingam **Venkat**

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# EXPERIENCE

**PYTHON PROGRAMMING INTERN** — YBI FOUNDATION Aug 2024

* Worked on real-world datasets to build machine learning models using Python, Pandas, Scikit-learn, and visualization libraries. Projects included:
* **Movie Recommendation System**: Built a hybrid recommendation system using collaborative and content-based filtering to suggest movies based on user preferences. Handled data wrangling, feature engineering, and similarity-based filtering on a dataset of 4,700+ movies.
* **Mileage Prediction Model**: Developed a linear regression model to predict vehicle mileage (MPG) using attributes such as horsepower, weight, and displacement. Included EDA, missing value handling, feature scaling, and performance evaluation (RZ score: 0.70).d hands-on experience in Python programming and related tasks.

**DATA ANALYTICS AND VISUALIZATION INTERN**, ACCENTURE (via FORAGE) Dec 2024

* Gained hands-on experience in data analytics and visualization through practical tasks and simulations.
* Demonstrated skills in project understanding, data cleaning, data modeling, and visualization techniques.
* Successfully completed tasks that involve practical applications of data analytics in real-world scenarios.

# EDUCATION

**Siddharth Institute of Engineering and Technology**, B.Tech in Computer Science and Information Technology

**CGPA**: 8.93 (Upto 5th sem)

Sept 2020 – May 2026

**Sri Sai Jyothi Junior College**, Intermediate MPC Jul 2020 – May 2022

**Percentage**: 78

**Z P High School**, SSC June 2014 – May 2020

**Percentage**: 98

# PROJECTS

**MILEAGE PREDICTION** [**Git Repository**](https://github.com/grvenkat40/projects)

* Developed a machine learning model to predict car mileage (MPG) using linear regression based on characteristics such as displacement, horsepower, weight, and acceleration.
* Data cleaning and pre-processing performed, including handling missing values and feature scaling using StandardScaler.
* Conducted exploratory data analysis and visualizations with Seaborn and Matplotlib to understand relationships between variables.
* Split data into training and testing sets and trained the model using Scikit-learn’s Linear Regression.Achieved an RZ score of 0.70, indicating a strong model fit, and evaluated performance using MAE and MAPE.

**MOVIE RECOMMENDATION SYSTEM** [**Git Repository**](https://github.com/grvenkat40/projects)

* Developed a hybrid movie recommendation system using collaborative filtering and content-based filtering techniques.
* Processed a data set of 4,700+ movies includes features such as genre, keywords, director, cast, and taglines.
* Developed a combined feature space for text-based similarity using TF-IDF vectorization and cosine similarity.
* Personalized movie suggestions are enabled based on user preferences and item similarities.
* Tools Technologies: Python, Pandas, NumPy, Scikit-learn, Jupyter Notebook.

# SKILLS

**Technical Skills**

* **Languages:**Python, SQL, R, Java
* **Databases:** MySQL, PostgreSQL
* **Tools and Libraries:** Pandas, NumPy, Matplotlib, Seaborn, ETL, Data Modeling, Power BI
* **Communication,Team Management**

# ACHIEVEMENTS | CERTIFICATION

* **Gold Badge for Python and SQL in Hackerrank**
* **Data Analytics and Visualization Job simulation-FORAGE**
* **NPTEL - A Joy Of Computing with Python**

# CODING PROFILES

* **leetcode:** [leetcode.com/grvenkat40](https://leetcode.com/u/grvenkat40/)
* **Hackerrank:** [hackerrank.com/grvenkat456](https://www.hackerrank.com/profile/grvenkat456)
* **codechef:** [codechef.com/grvenkat40](https://www.codechef.com/users/grvenkat40)

# Hobbies | Interests:

* **Chess,Reading books**
* **Working Out, Fitness Routines**
* **Exploring Financial Concepts**