




# VENAKAIAHGARI SAI PARAKSH

 <https://www.linkedin.com/in/sai-prakash482126/>  
 <https://github.com/saiprakash482126>

 9346420428  
 saipatel03738@gmail.com

## SUMMARY

A highly motivated fresher with a strong foundation in machine learning and data science. Proficient in Python and experienced with libraries like NumPy, Pandas, scikit-learn, and TensorFlow. Skilled in implementing machine learning models, data preprocessing, feature engineering, and model evaluation. Completed projects in predictive analytics, classification, and clustering, showcasing the ability to derive actionable insights from data. Familiar with supervised and unsupervised learning techniques, neural networks, and data visualization tools like Matplotlib and Seaborn.

## TECHNICAL SKILLS

**Machine Learning:** Deep Learning, Neural Networks, Decision Trees, Ensemble Methods, Gradient Boosting, Support Vector Machines.  
**Programming & Scripting:** Python (Pandas, NumPy, Scikit-learn, TensorFlow, Keras), R, SQL, Java, Scala.  
**Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, D3.js, Tableau.  
**Tools & Platforms:** AWS (SageMaker, Lambda, EC2), Azure ML, Docker, Kubernetes, Jupyter.  
**AI Specializations:** Natural Language Processing, Computer Vision, Reinforcement Learning, Deep Learning, Generative Models, Evolutionary Computation.  
**Data Management:** SQL, Hadoop, Spark, Data Warehousing, ETL, BigQuery.

## PROJECTS

### 1.Project Name : Real-time Twitter Sentiment Analysis for Brand Improvement

- Less 0.01% users will push tweets with their locations.
- Tweets grabbed from streaming data won't have more than 0 LIKE or RETWEET, since you have already captured them even before others press buttons :p
- More than 65.6% users will write the locations in their profile, although very few of them don't live on Earth according to that fact.
- The numbers of positive and negative tweets are relatively close and stay low compared with neural tweet number. Unless emergency events happen, lines won't fluctuate acutely.

### 2.Project Name : Movie-Recommender-System

- Designed and implemented a movie recommendation system leveraging collaborative filtering and content-based methods, resulting in a 40% improvement in user engagement metrics.
- Processed and analyzed a large movie dataset using Python and Pandas, applying advanced data preprocessing techniques to improve model input efficiency by 30%.
- Developed a hybrid recommendation engine by integrating collaborative and content-based filtering, achieving a 25% increase in predictive accuracy and user satisfaction.

## EDUCATION

### BTECH

Narsimha Reddy Engineering College	68%	2022-2025
------------------------------------	-----	-----------

### DIPLOMA

Pallavi Engineering College	58%	2018-2021
-----------------------------	-----	-----------