

Lokeswar Reddy Bollavaram

Data Scientist

Email: lokeswarreddybollavaram9@gmail.com

Contact: +91 9133090917

Career Objective:

To solve real world problems using state of the art techniques like Machine Learning, Deep Learning, and Data Science and perform at level best to showcase potential in the workplace for collective betterment.

Skills & Competences:

Languages:	Python C C++ Java MySQL
Libraries:	Numpy Pandas Matplotlib Seaborn scikit-learn tensorflow keras
Machine Learning Skills:	Regression Classification Clustering Decision Tree Random Forest Ensemble Models SVM LSTM CNN RNN Deep Learning
Tools:	Flask Heruko GitHub

Machine Learning Projects:

Amazon Fine Food Reviews (Classification)

Created Supervised Classification Machine Learning model to predict the sentiment polarity of Amazon Food Product Reviews.

- Used TFIDF and Word2Vec both approaches to vectorize the review text
- MultinomialNB model gave 0.95 AUC score with TF-IDF vectorizer
- Naive bayes is much better model than KNN model for Text classification for Amazon fine food data

Boston House Price Prediction (Regression)

Created Supervised Regression Machine Learning Model to predict the price of the House based on input parameters.

- XGBoost Regression works the best for this dataset
- It gave better results of R2 Score: 0.97 and Adjusted R2 Score: 0.96
- Created pickle file and deployed on Heroku (Cloud) using Flask

Amazon Fashion Discovery Engine (Content Based recommendation)

Created a Recommender System to recommend similar apparel products in e-commerce using description and images.

- Used BOW, TFIDF and Word2Vec to convert Text to Vectors (Featurization)
- Used Deep Learning Convolutional Neural Network to featurize an Image: Edges, Shapes, Parts with the help of Keras and Tensorflow
- Built a recommender models based on text and images both

Work Experience:

ML Intern: *AAIC Technologies, Hyderabad, India.*

Work experience – Nov 2020 to till date. [4+ Months]

- Worked on many Machine Learning case studies like Quora question Pair Similarity Problem, Taxi demand prediction in New York City
- Worked on Recommender Systems like Netflix Movie Recommendation System, Music Recommendation System.
- Worked extensively on advanced ML algorithms like Random Forest, Neural Networks, LSTM, Logistic Regression, Linear Regression, Decision Trees, KNN, Clustering.

Project Engineer: *Wipro Limited, Bangalore, India.*

Work experience – June 3rd, 2019 to till date. [2+ years]

- **Python Automation:**
 - Converting all manual task into automation using python in Information Security and Data Protection Team.
 - Garbing the data from security websites through API's, generating the dashboards and sending the bulk emails without any human intervention.
- **ETL Testing:**
 - Extracting the data from different sources like Teradata, Oracle Database
 - Checking transformation logic and Loading the data into new Database.
 - Worked in functionality testing of transformed data populating in Tableau.

Education:

B.Tech - Computer Science & Engineering

Madanapalle Institute of Technology & Science

Jul 2015 – May 2019 / Madanapalle

- I have successfully completed my bachelor's degree in Computer Science with CGPA: 8.93/10.
- Highlights: 10.00/10.00 GPA in Final project, Machine learning and Data-mining lab.

Certifications:

- **Applied Machine Learning Course– Applied Roots**
- **Machine Learning and Deep Learning Certifications - Kaggle**
- **Machine Learning - Coursera, Stanford University**
- **Python HackerRank Certificate - HackerRank**
- **Design and Analysis of Algorithms - NPTEL, IIT Madras**