


INDUSTRY KNOWLEDGE: Regression (Linear, Multiple, Logistic, Polynomial, SVR, Decision tree, Random forest), Classification (K-NN, SVM, Naïve Bayes, Decision tree, Random forest), Clustering (K-Means, Hierarchical), Association Rule Learning (Apriori, Eclat), Natural Language Processing, Deep Learning (ANN, CNN), Gradient Boosting, Visualizations

LANGUAGES & APTITUDES: Python, R (R Studio), SQL, Microsoft Power BI, Tableau, Git, HTML, CSS, AutoCAD, STAAD Pro, Gretl, Flask


PYTHON LIBRARIES: Numpy, Pandas, Matplotlib, Seaborn, Scikit-Learn, XGBoost, Tensorflow, Keras

PROJECTS


1. Predicting concrete compressive strength by regression analysis

- Created a tool that estimates the Compressive Strength of concrete with 91% accuracy and a MAE of 2.8 MPa to save time and energy of waiting for 28 or more days according to the requirements.
- Deployed the model as a website on local machine using flask and html. 


2. Data Scientists' Salary Estimator

- Created a tool that estimates data science salaries (MAE ~ \$ 14K) to help data scientists negotiate their income when they get a job by scraping 700+ salaries from Glassdoor through Selenium.
- Built a client facing API using flask. 


3. Student mark prediction and deployment through AWS

- Created a model which predicts the percentage of marks students can acquire given the number of hours they study using Linear Regression with 95% accuracy.
- Created Amazon Web Services (AWS) EC2 Instance (Ubuntu) and deploy the model on Ubuntu server. 

4. Image recognition using Convolutional Neural Networks

- Used Convolutional Neural Networks to identify cat and dog images after training and testing on a data containing 10,000 images.
- Deployed the model as a website on local machine using flask and html. 

5. Restaurant review analysis through Natural Language Processing

- A sentiment analysis of reviews of customers who visited a restaurant using Natural Language Processing and Bag of Words for feature extraction.
- Used Naive Bayes Classification algorithm to separate Positive and Negative Sentiments. 

EXPERIENCE

Singareni Collieries Company Limited, Kothagudem, Telangana

Field Engineering Intern

May – June (2017)

EDUCATION

Jawaharlal Nehru Technological University, Hyderabad - 2018

Bachelors of Technology in Civil Engineering, 81%

SR Edu Centre, Warangal - 2014

Intermediate (MPC), 96%

Montessori High School - 2012

SSC, 9.8 GPA

FURTHER LEARNING (UDEMY)

- DATA SCIENCE COURSE 2020
- MACHINE LEARNING A-Z, HANDS ON PYTHON & R IN DATA SCIENCE
- MICROSOFT POWER BI – UP & RUNNING WITH POWER BI DESKTOP
- MYSQL FOR DATA ANALYSIS

AWARDS

- TOP 8% SCORE IN KAGGLE COMPETITION
- THIRD PLACE IN IBCC INDIA WORKSHOP FOR BRIDGE DESIGN CONTEST CONDUCTED BY IIT BOMBAY