ABHI PEMMARAJU

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CAREER OBJECTIVE

Looking forward to secure a position in data related industry where I can use my skills in a best possible way for achieving the company's goals along with mine.

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EDUCATION

SRKR ENGINEERING COLLEGE
JNTUK(A)
B.Tech in Mechanical Engineering | 2018-2022
- Current CGPA of 8.54 (up to sem-7)

CHAITANYA JUNIOR COLLEGE
Intermediate | 2016-2018
- Secured 95.9%

SIDDHARTHA ENGLISH MEDIUM SCHOOL
10th class | 2016
- Secured CGPA of 10

SKILLS

- **Programming languages:** python(numpy, pandas, plotly, matplotlib**),** SQL,
- **Algorithms:** Linear Regression, Logistic Regression, Decision Tree Classifier, Random Forest, Clustering, Boosting Techniques(Adaboost, Gradient boosting), PCA.
- **Others:** Statistics

POSITION OF RESPONSIBILITIES

INDIAN SOCIETY FOR TECHNICAL EDUCATION (ISTE) Worked as
- **TREASURER** of SRKR ISTE for the year 2020-2021.
- Coordinated and Organized 7 events for enhancing student skills in the college.
- Working as SENIOR BODY MEMBER of SRKRISTE for the year 2021--2022

PROJECT DETAILS

ML FOR ENERGY CONSUMPTION OF STEEL PLANT
- Developed a linear regression model to predict the energy consumption of steel plant.
- Identified features which has business importance by EDA
- Adressed multicollinearity using heatmaps, pair plots and VIF.
- Evaluation is done using RMSE and R2 score where R2 score is 92%

ML FOR TELECOM CHURN DATASET
- Developed a logistic regression model to predict the churning of telecom customers.
- Implemented feature selection technique, RFE and identified important features.
- Addressed multicollinearity with VIF, heatmaps and pair plots.
- Identified optimal threshold with graph between recall and precision.

AMAZON CUSTOMER REVIEW
- Build topic modelling model which provides an insight into customer's review across different products.
- Processing of data is done i.e Lemmatization, Tokenization and stemming etc.
- Handling of dataset and topic creation is done by using LDA algorithm.

- The model is evaluated using coherence values and the output is visualized.

UNIVERSAL BANK PERSONAL LOAN

- Developed a decision tree model for predicting whether the customer takes personal loan or not.
- Using Grid search cross validation optimum hyperparameters are found.
- Evaluation is done using Confusion matrix where accuracy found is 88%

PACKAGES USED IN THESE PROECTS:

Numpy, Pandas, Matplotlib, Plotly, Seaborn, NLTK, Spacy, Sklearn

CO-CURRICULAR ACTIVITIES

Events organized in association with
SRKR ISTE

- 'SAHARA'- a Social welfare program for future awareness to Govt. school children
- NIPUNA-21 - A.P's largest Techno Management Symposium.

Worked as a volunteer in

- SANKETA'20 a National Level Techno Management Symposium. NIPUNA'20 a
- National Level Techno Management Symposium.

CERTIFICATIONS

- COURSERA certification on Fusion 360
- C-PROGRAMMING FOR BEGINNERS
- Python for Beginners

ACHEIVMENTS

- Selected 2nd in innovation challenge conducted by FUTUREPLUS among 100teams.
- Top 10 in academics among 360 in my department
- Selected for 2nd stage of VISHWAKARMA AWARDS
- Stood 1st in ROBOFOLIC event conducted in NIPUNA'19

PERSONAL DETAILS

DOB   : 26-04-2001
Father's Name   : P. Venkateshwara Rao
Languages Known   : Telugu, English, Hindi
Hobbies   : Writing, Volunteering
Strengths   : Quick learner, Adaptive

DECLARATION

I hereby solemnly declare that the above furnished data are true to the best of my knowledge.

SIGNATURE
(P. ABHIRAM)