G Sai Krishna

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Education

GITAM DEEMED UNIVERSITY **Vishakhapatnam, A.P**
Master of Science, Data Science. CGPA (7.65/10.0) June-2021.

ANDHRA LOYOLA COLLEGE **Vijayawada, A.P**
Bachelor of Science, Computer Science. CGPA (6.30/10.0) June-2019.

Projects

SOLUBILITY PREDICTION

- Solubility provides homogenous system of dissolution for solvent to achieve an anticipated Concentration of Drug
- Computed various 1D-descriptors from SMILE notations like Mol. Weight, Number of Rotatable Bonds etc. by using a chemical python module.
- Identified Regressor as best performing Machine Learning Model among various models suited for the Regression problem with Coeff. of Determination of 88.0 and Mean Squared Error of 0.51.

ZOMATO RESTAURANT DATA ANALYSIS

- Downloaded restaurant data from Zomato website for more than 10000 restaurants across India. Ingested this data in python remove outliers, clean up bad records, normalize revenue numbers to standard format using python, Jupiter notebook and two standard deviations along with some other statistical techniques
- For analysis of Hyderabad restaurants, used Excel, VBA macros and pivot table. Figured out best restaurants for nizam pet and south Indian cuisine based on reviews.

DISEASE PREDICTION

- Predicting 42 different classes of diseases using Machine Learning with 133 common symptoms of predictors.
- Developing of various models on these 133 binary categorical predictors (nausea, chills, etc.).
- Concluding Logistic Regression as the best suited Machine Learning Model to classify the 42 different diseases classes.
- Finalized Model tested with an accuracy of 92% classifying different disease classes.

SKILLS & TOOLS

Machine Learning, Deep Learning.
EDA & Visualization: PowerBi, Tableau.
Pre-processing: NumPy, Pandas.
ML\DL Frameworks: Sklearn**,** TensorFlow, Keras.
Tuning: HyperOpt, Optuna.
Deployment: Flask, Stream lit.
Programming: Python, MySQL, Java.
IDE: PyCharm, Jupiter Notebook, Google Collab.