

Datta Sai Srinivas Baswa

Final Year (B.Tech)
Electronics & Communications Engineering
RGUKT Srikakulam
CGPA:8.77 (till E4-Sem1)

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Links

Github: [sai-srinivas91](#)
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Skills

Python

Pandas, Numpy
Matplotlib, Scikitlearn, Keras

SQL - RDBMS

Machine Learning

Data Analytics, Data Science

PowerBI

Git, Github

Statistics

MS Office

Excel, Word, Powerpoint

Analytical Skills

Strong Communication

Coursework

- Data Science Specialization- (Coursera+IBM)
- Intro to Machine Learning- (Kaggle)
- Intermediate Machine Learning- (Kaggle)
- Excel Basics for Data Analysis- (Coursera+IBM)

Education

B.TECH IN ECE
2019-2023
RGUKT-Srikakulam
CGPA : 8.77
PUC
2017-2019
RGUKT-Srikakulam
CGPA: 8.68

Projects

Thyroid Disease Prediction

Jan 2023-Apr 2023

Python, Machine learning, SMOTE

- Developed a machine learning model to predict Hyper or Hyperthyroidism.
- Achieved an impressive 91 % accuracy rate for disease classification
- Improved the accuracy by using SMOTE to balance the data and conducting hyperparameter tuning with GridsearchCV for optimal performance.

Customer Churn Prediction using ANN

Mar 2023

Deep Learning - ANN

- Performed a Banking Customer Churn Prediction using ANN and achieved an 86% of accuracy.
- Analyzed the relationship between Tenure vs Churn, as well as Age vs Churn.

Data Analysis on Youtube Channels

Feb 2023

Data Analytics- Python, Youtube API, PowerBI

- Conducted a comprehensive analysis of key metrics for the top 5 music channels on YouTube, including views, duration, upload schedule, likes, comments, tags, and frequency.
- Analyzed and compared the performance of the best and worst performing videos, as well as the shortest and longest performing videos, from a dataset of over 58,186 videos published between 2011 and 2023.
- Examined the weekly and yearly upload schedules of these channels to gain insights into their content strategy and audience engagement.

Real Estate Price Prediction

Dec 2022- Jan 2023

Python, Machine Learning

- Implemented a linear regression model to predict real estate prices using the Bengaluru house price Dataset, which consisted of 7,251 values.
- Performed outlier removal to improve the accuracy of the model and applied one-hot encoding.
- Used GridSearchCV for Hyperparameter tuning to optimize the model's performance, resulting in an accuracy increase of 13 percent.

NASA AMES Space Settlement Contest

2018- 2019

NASA Project

- Our team of 5 designed a space settlement for long-term habitation in an artificial environment, submitting a detailed report to NSS after 6 months of collaboration on the AHNKA project.
- Led a team and worked on designing and implementing the architecture and life support systems for a space settlement project to establish a self-sustaining colony