Sandhya Maddula

Entry level data analyst seeking an opportunity to showcase the skills to the real world business problems.

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EDUCATIONAL QUALIFICATION

M.Tech | Mechanical Engineering

2014 – 2016
MVGR College of Engineering, JNTUK

TRAININGS & CERTIFICATES

**Data Science | 2020 - Training
(6 months)** Analytics Path, Hyderabad

Power BI | 2020 - Certification
Ineuron.ai

Tableau | 2020 - Certification
Ineuron.ai

TECHNICAL SKILLS

- Data Analytics
- Data Visualization
- Python
- Pandas, Numpy
- Machine Learning
- SQL
- Power BI
- Tableau
- Maths and Statistics
- Streamlit

SKILLS & ABILITIES

- Disciplined and Organized
- Time Management
- Adaptive and Punctual
- Communication Skills

INTERNSHIPS

The Sparks Foundation (JAN 2021 - PRESENT)

- **Position:** Data Science & Business Analytics Intern
- **Tools Used:** Python, Pandas, Data Visualization, Machine Learning – Decision Tree, Logistic Regression, Tableau, Power BI
- **Projects:**
  - **Predicting the percentage of marks of a student based on number of hours of study – Done using Logistic Regression**
  - **Dashboard for the Sample Superstore data to find the weak areas & stress to make profit – Used Tableau**
  - **Dashboard for World Terrorism data, the most affected areas, to derive security & insight issues by Tableau, Power BI.**
  - **Dashboard on IPL sports data. Most successful teams, players, factors contributing to win or loss of a team are analyzed using Tableau.**

TechnoColabs (DEC 2020 – JAN 2021)

- **Position:** Data Analytics Intern
- **Tools Used:** Python, Pandas, Data Visualization, Machine Learning – Decision Tree, Logistic Regression, Streamlit
- **Process:** Cleaning the data, Deal with missing values, Correlation, Modelling, Testing and Deployment.

Mini Project: Classify the Song genre from the Audio Data
Using a dataset comprised of songs of two music genres (Hip-Hop and Rock), we will train a classifier to distinguish between the two genres based only on track information derived from Echonest (now part of Spotify). The model is developed, applied classifier and deployed through Streamlit.

Final Project: Bots in the Net – Applying Machine Learning to identify Social Media Trolls
To perform live detection of trolls on Reddit Website using a variety of machine learning techniques and finally deployed the model using Streamlit.

Virtual Internship from KPMG on stores data by Data Analytics

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PROJECTS

Car Price Prediction

- **Tools used:** Python, Pandas, Machine Learning – Random Forest
- **Process:** Cleaning the data, Deal with missing values, Correlation, Modelling, Testing and Deployment.
- **Highlight:** Built a Random Forest Regressor model that could best fit the parameters & evaluated by the metrics.

Impact of COVID 19 in Italy

- **Tools used:** Python, Pandas, Machine Learning.
- **Process:** Data Pre-processing, EDA, Modelling and Testing.
- **Highlight:** Deals with the time series data of the country Italy during the pandemic times. Visualizations showing the pandemic situations in various regions and how it has affected using python pandas & seaborn libraries.

Email Campaign Analysis & Customer Enrollment Dashboards

- **Tools used**: Microsoft Power BI
- **Process**: Data Pre-processing, EDA, Dashboard Creation
- **Highlight**: Coupon codes sent by e-commerce organization to customers. They are clicked, responded & left back as per different customers. They were analyzed and the interactive dashboard was created as per the derived analytics to derive several criteria.

Discount Mart – Sales Analytics

- **Tools used:** Tableau
- **Process:** Data Pre-processing, EDA, Dashboard Creation
- **Highlight:** Discount mart, salesmart owned by Grant Frost tracks the running of company in terms of sales, quantity, and profit. Analytics of how well different categories were performed at different regions were analyzed, Dashboard was created in Tableau depicting all the analytics.

Green Destinations - HR Analytics

- **Tools used:** Tableau
- **Process:** Data Pre-processing, EDA, Dashboard Creation
- **Highlight:** Green destinations HR director recently noticed an increased attrition rate of employees. The factors of age, years at the company and income roles were analyzed to know the trend of attrition rate. Dashboard was created in Tableau to depict the analytics.

WORK EXPERIENCE

- **04/2017 – 03/2019 – Design Engineer at Adroitec Engineering Solutions –** Handled projects on heavy machinery, created service manuals, for operation & maintenance of equipment. Dealt with basics design of plastics & Sheet metal.
- **03/2019 – 09/2019 – Design Engineer at Easi –** Developed CAD models from part and assembly drawings.