

Mamatha sri.S

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Aspiring Data Scientist

Profile :

Motivated B.E Computer Science Engineering student with hands-on experience in **Python programming** and **Data Science** projects. Skilled in **Data Analysis**, **Exploratory Data Analysis (EDA)** , and **Machine Learning** using Python libraries such as **Pandas** , **Numpy** , and **Scikit-learn** . Sucessfully developed a Student database management system in PyCharm and applied Data visualization and predictive modeling techniques in Data Science projects.Passionate about using data-driven approaches to solve real-world problems and continuously improve analytical skill.

Skill sets :

- **Programming :** Python , C , SQL.
 - **Libraries and Tools :** Numpy,Pandas,Matplotlib,Tensorflow,Scikit-learn,Excel
 - **Databases :** MySql
 - **Data visualization :** Matplotlib,Seaborn
 - **Machine Learning :** Regression,Classification,Clustering,Model evaluation
 - **Data handling :** Data cleaning,data preprocessing,Feature engineering,Feature scaling
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Projects :

Medicine Reminder app- “Medi Alert”:

- Developed a user friendly desktop application to remind uders to take medicines at scheduled times.
- Implemented notification alerts with alarm using python libraries and designed an interactive GUI using Tkinter for easy input .

Exploratory Data Analysis (EDA) Project :

- Performed in-depth data cleaning,preprocessing, and visualization to extract insights from dataset.
- Analyzed trends,patterns and correlations to support data driven decisions.Used python libraries for data manipulation and visualizations.Presented findings through graphs and summary statistics.

Machine learning project :

- Built and trained machine learning models for data prediction and classification tasks,performed data preprocessing, feature selection and model evaluation usind accuracy and confusion matrix.
 - Implemented algorithms such as Linear regression,decision tree and Random forest.
 - Visualized performance metrices and insights using Matplotlib and Seaborn.
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Training and Certifications :

Python Programming : (NPTEL) Completed an online certification course covering python fundamentals.

Introduction to Data analysis using Microsoft Excel : (Coursera) Gained hands on experience in data cleaning,visualization, and statistical analysis using excel tools and formulas.

Data science :

(Livewire) Underwent training on Data analysis,EDA and Machine learning using python and real world dataset.

Academic Background :

Bachelor of Engineering (B.E) , Computer Science

- Global Institute of Engineering and Technology,Vellore.
- **CGPA :** 8.41 (2022-2026)