

SRILEKHA T

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Profile Summary

I am a BTech student with a strong foundation in information technology and a passion for data science. Proficient in Python and SQL, I have hands-on experience in machine learning, data visualization, and statistical analysis. I am eager to apply my analytical skills and technical expertise in a dynamic and innovative environment.

Experience

Data Science Intern

ExcelR Solutions

Nov 2024 – Feb 2025, Hyderabad

- Experienced in cleaning, preprocessing, and analyzing datasets to uncover meaningful insights using Pandas, NumPy, and Matplotlib/Seaborn.
- Built and optimized machine learning models with high accuracy using Scikit-Learn and TensorFlow.
- Successfully deployed machine learning models using Streamlit, creating interactive and user-friendly web applications for real-time predictions.

Technical Skills

- **Technology:** Python, SQL, Scikit-learn, Keras, MySQL Database, Matplotlib, Seaborn
- **Skills:** Data Cleaning, Preprocessing, Statistical Analysis, Hypothesis Testing, Feature Engineering, Model Building, Data Visualization, Natural Language Processing (NLP), Problem-Solving Algorithm Optimization.

Projects

Electric Motor Prediction

Built a machine learning model to predict motor speed using sensor data. Performed Exploratory Data Analysis (EDA) to understand sensor data and identify key patterns. Built and tested multiple machine learning models, achieving 90-95 percentage accuracy in predicting motor speed. Created visual reports to present insights, making the model useful for real-world applications like motor performance optimization and predictive maintenance.

AI-Driven Advancement for Driver Drowsiness Detection using Behavior Analysis

The project involved analyzing the design of few applications so as to make the application more users friendly. To do so, it was really important to keep the navigations from one screen to the other well ordered and at the same time reducing the amount of typing the user needs to do. In order to make the application more accessible, the browser version had to be chosen so that it is compatible with most of the Browsers.

Certifications

- Data Science Certification

Education

CMR Engineering College, Hyderabad

2020 – 2024

Bachelor of Technology in Information Technology