

KAVERI BANDRU

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Profile Summary

I am a MCA student with a strong foundation in information technology and a passion for Data science. I have a handful experience in Python, SQL, power BI and HTML. I have practical knowledge in Machine Learning, data Visualization and Data 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 meaningful insights using Python Libraries such as Pandas, NumPy, Seaborn and Matplotlib.
- Built an optimized machine learning models with high accuracy using Scikit-Learn and TensorFlow
- Successfully Deployed machine learning model using Streamlit, creating interactive and user friendly web applications for real time predictions.

Technical skills:

Technology : Python, SQL, Matplotlib, Seaborn and keras

Skills: Data Cleaning, Data Visualization, Preprocessing, Statistical Analysis, Hypothesis Testing, Feature Engineering, Model Building, Natural Language Processing(NLP), Problem Solving and Algorithm Optimization.

Projects:

Traffic Route Prediction using Machine Learning Techniques:

To develop a machine learning-based traffic route prediction system that accurately forecasts traffic congestion and suggests optimal routes.

Analyzing the impact of various factors weather, events, road closures and based on historical data on traffic flow and route optimization. We have used Decision Tree, Random Forest, Support Vector Machine algorithms.

Diabetic Retinopathy Detection :

Developed a machine learning -based predictive model that can accurately classify diabetic retinopathy risk(0 or 1) based on blood test features. Utilising the Techniques such as CNN and transfer learning. For this purpose built models like Decision Tree, Random Forest, Support Vector Machine,XGBM&LGBM, Logistic Regression and Deployed the project successfully using Streamlit.

Certifications:

- Data Science Certification
- CodSoft Internship Certification

Education:

Nizam College, Hyderabad.

MCA (Master of Computer Applications) 2022-2024